

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



Autumn Catalog
1917

BULBS
ROSES
PLANTS

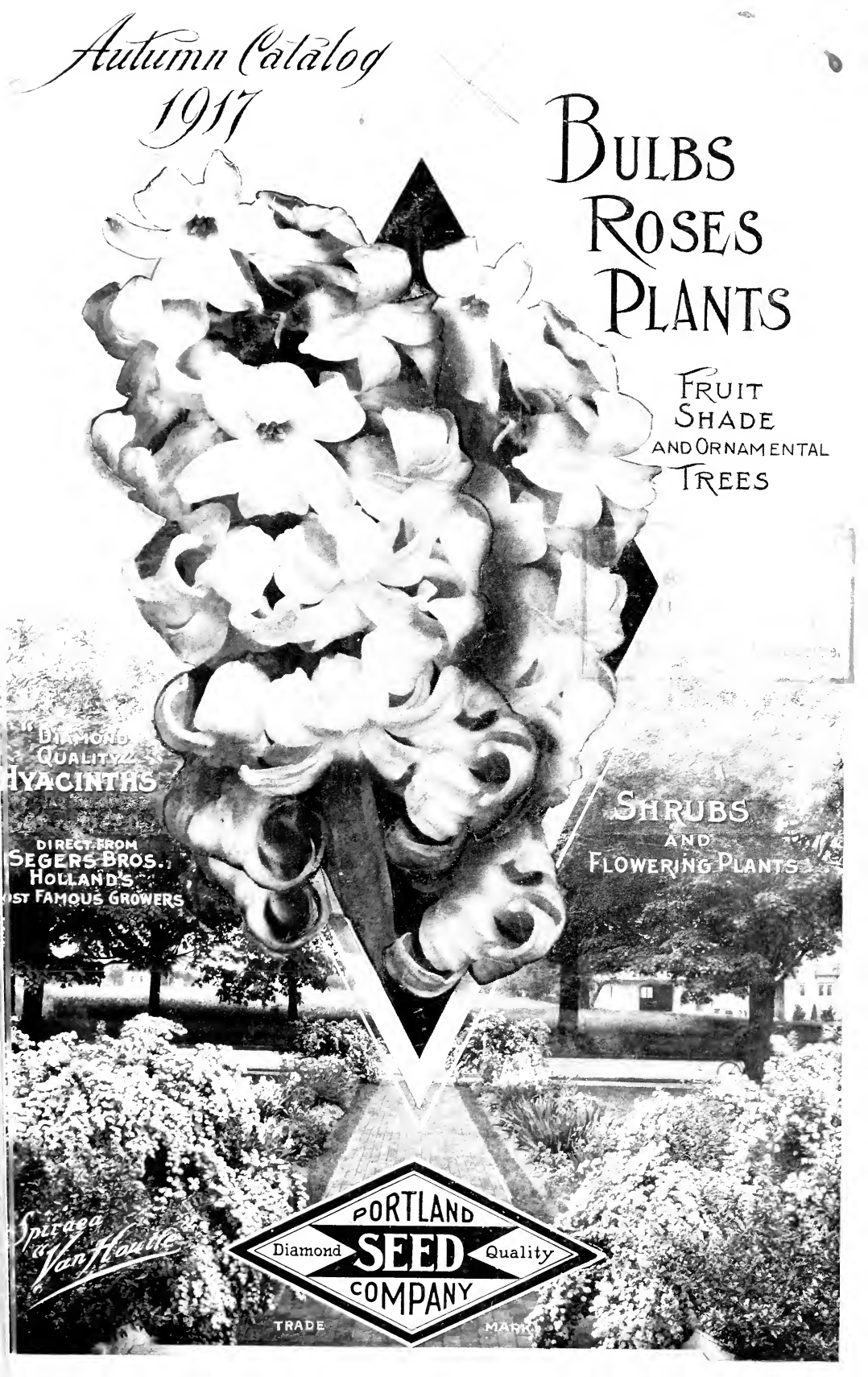
FRUIT
SHADE
AND ORNAMENTAL
TREES

DIAMOND
QUALITY
HYACINTHS

DIRECT FROM
SEGERS BROS.
HOLLAND'S
MOST FAMOUS GROWERS

SHRUBS
AND
FLOWERING PLANTS

*Spiraea
Van Houttei*



Bulb Planting Tables

Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths

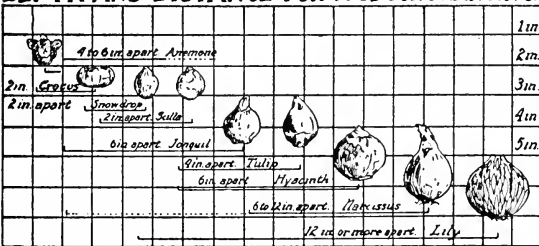
Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

| Diameter of Bed | Total No. of Bulbs Required | | No. of Bulbs Required for Two Outer Circles Only. | |
|-----------------|-----------------------------|-----------|---|-----------|
| | Tulips | Hyacinths | Tulips | Hyacinths |
| 3 feet..... | 64 | 36 | 50 | 31 |
| 4 feet..... | 113 | 50 | 68 | 45 |
| 5 feet..... | 177 | 80 | 87 | 57 |
| 6 feet..... | 254 | 120 | 104 | 69 |
| 7 feet..... | 346 | 160 | 122 | 82 |
| 8 feet..... | 452 | 210 | 140 | 95 |
| 9 feet..... | 573 | 270 | 160 | 110 |
| 10 feet..... | 707 | 330 | 180 | 120 |

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.

DEPTH AND DISTANCE FOR OUTDOOR PLANTING



“Diamond” Fancy Lawn Mixture

GROWING tests have proved our “Diamond Quality” Lawn Grass to give satisfactory and permanent results, being specially prepared for our Western soils and climate, and will produce an evergreen velvety turf.

Price, per lb., postpaid, 45c; freight or express, not prepaid, per lb., 35c.

Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of Chrysolora, yellow.

No. 2—Round Bed in four sections, first quarter Cottage Maid, pink; second, Chrysolora, yellow; third, Artus, scarlet; fourth La Reine, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with Kaiserskroon scarlet edged gold, in center, Belle Alliance scarlet, next, then La Reine white, and on the outside rows Chrysolora yellow.

Solid Beds of Murillo, early double light pink, Rose Grisdelin, early single, delicate pink, Couleur Cardinal, bronze scarlet and Pink Beauty, a lovely flower, the finest pink, are very attractive and give a display that cannot be excelled by any combination of colors.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our “Diamond Quality” Bulbs will Give You Satisfaction

Portland Seed Company's AUTUMN CATALOG

Trees, Roses, Bulbs, Plants

FALL 1917 - SPRING 1918



FOREIGN IMPORTATIONS of bulbs and nursery stocks are very uncertain this season and we were indeed fortunate in securing our usual supply of Dutch Bulbs from Holland's most reliable growers. Orders should be sent in promptly as the supply is very limited, only one cargo being received in the United States.

HARDY PERENNIAL PLANTS. We can supply fine plants and clumps that will bloom freely the first season and can furnish suitable varieties for groupings and color effects that are pleasing and permanent, making a splendid garden display and giving lovely cut flowers throughout the year. These should be utilized to make up the shortage of imported stock.

OUR HOME GROWN trees, roses, plants and ornamentals offered herein are properly grown and pass careful inspection before delivery to our customers. In no section is better stock produced.

FALL PLANTING will give splendid results west of the Cascade Mountains as dormant stock can be planted throughout the entire Winter and the plants will become well established for the Spring growing season.

BULBS, EVERGREENS, PAECNIES, and many other special items are best planted in the Fall in any section, and as our experience qualifies us to advise in reference to plantings for either permanent or temporary effects, our suggestions may prove helpful and aid you in securing the best results at the least expense. This special service is without cost or obligation.

IMPORTANT—PLEASE READ CAREFULLY

WHEN TO ORDER—We issue this Catalog in September, but customers can order at any time and goods will go forward in season, as follows:

FLOWERING BULBS—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

ROSES—Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them the better they will grow.

PALMS, POT AND HOUSE PLANTS—Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

FRUIT, SHADE AND ORNAMENTAL TREES AND SHRUBS—We ship these from October until June and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

COMPLAINTS OR PRAISES—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

WE NEVER SUBSTITUTE without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. But always labeled true to name.

MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices to points in the United States. Alaska, Canadian and foreign postage extra. All other items F. O. B. Nursery unless otherwise stated.

WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.
SEND MONEY by postoffice or express money order, bank draft or registered letter.
DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. PORTLAND SEED COMPANY.

NARCISSUS

"Paper-White"
GRANDIFLORAFor Growing in
Pots or GlassesEARLY FLOWERING BULBS
FOR INDOOR PLANTING

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom.

PAPER WHITE—Grandiflora—Beautiful fragrant flowers of pure white; forces admirably and flowers freely in dense clusters; will bloom in December, if potted early. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 4 under Hyacinths. **Each 6c; doz. 55c; 100 \$3.50.**

GRAND MONARQUE—Large, pure white, with lemon cup. One of the finest. **Each 7c; doz. 75c; 100 \$6.00**

GRAND SOLEIL D'OR—Rich yellow, with orange cup; fine for bedding and cutting. **Each 7c; doz. 75c; 100 \$6.00**

THE PEARL—Pure white flowers resembling the Grandiflora, but is much larger.

Each 7c; doz. 75c; 100 \$6.00

EXTRA FINE MIXED

Doz. 50c; 100 \$3.50

French Roman Hyacinths
White, Pink, Blue

A charming class of Hyacinths, extensively grown by florists for Winter flowering. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown if potted early they can be brought into flower in November and December. Be sure to state whether you want *White, Pink* or *Blue*. White "Romans" are the best bloomers. **Prices, each 8c; doz. 90c; 100 \$6.50**

Postage prepaid in U. S. only.
Canada, Alaska and outside points
extra.

Sacred Chinese Lily

A variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume.

These grow well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter. **Each 15c; doz. \$1.65, postpaid**

Freesias

These popular winter blooming bulbs force readily, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in 4-inch pot.

PURITY—New Giant Freesia—Pure white. **Doz. 40c; 100, \$2.50**

REFRACTA ALBA—White with a yellow throat. **Doz. 30c; 100, \$1.50**

China Lily

FOR GROWING NARCISSUS AND HYACINTHS IN GLASSES SEE PAGE 4



LILIES—Japan

AFTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention.

Planted outdoors during the fall or early spring they flower each year from June to October.

Lilium Formosum

LILIUM FORMOSUM is the best of the Longiflorums being early free blooming, healthy and vigorous, but for best results should not be planted earlier than November for Easter blooming.

Mammoth bulbs..... Each 20c; doz. \$2.00
Large bulbs..... Each 15c; doz. \$1.50

Lilium Speciosum

The graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.

SPECIOSUM RUBRUM—White with dark rose spots. The most popular of the speciosum varieties.

Mammoth bulbs..... Each 20c; doz. \$2.00
Large bulbs..... Each 15c; doz. \$1.50

SPECIOSUM ALBUM—Pure white, flowers freely. **Large bulbs**, each 20c; doz. \$2.00

SPECIOSUM RUBRUM MELPOMENE—White shaded rich blood crimson, heavily spotted. **Large bulbs**, each 15c; doz. \$1.50

Lilium Longiflorum

(Giganteum)

Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground. **Plant in early December for Easter blooming.**

Mammoth bulbs..... Each 20c; doz. \$2.00
Large bulbs..... Each 15c; doz. \$1.50

Calla Lilies—(Lily of the Nile)

CALLA AETHIOPICA. Our well known White Calla has few equals as a pot plant, and nothing is easier to grow. Plant one bulb to 6-inch pot, giving an abundance of water, light and heat.

First size bulbs..... Each 15c; doz. \$1.50
Extra size bulbs..... Each 20c; doz. \$2.00

Godfrey Calla

Beautiful snowy white flowers borne continuously in great profusion. **Ea. 25c; doz. \$2.50**

Calla Elliotiana

YELLOW CALLA. Flowers are a deep rich golden yellow and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white. Treat same as White Calla.

Price, each 35c; doz. \$3.75



Lilium Auratum

(Golden Banded Lily)

Immense ivory-white flowers, thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

Mammoth bulbs..... Each 20c; doz. \$2.00
Large bulbs..... Each 15c; doz. \$1.50

AURATUM PLATYPHYLLUM—The leaves are very long and broad, and the stems vary from seven to ten feet. Flowers are similar in color to Auratum, heavily spotted and larger.

Mammoth bulbs..... Each 25c; doz. \$2.50
Large bulbs..... Each 20c; doz. \$2.00

Tiger Lilies

TIGRINUM SPLENDENS—(Improved Single Tiger Lily)—Large flowers of excellent form, color orange-salmon, with dark spots.

Large bulbs..... Each 10c; doz. \$1.00

TIGRINUM FLORE PLENO—(Double Tiger Lily)—A magnificent lily bearing immense clusters of very large double flowers; color bright orange red, spotted with black.

Large bulbs..... Each 30c; doz. \$3.00

Lilium Candidum

Fragrant snow white hardy garden Lily growing four to five feet high and blooms in the open ground in June. **Each 20c; doz. \$2.00**

Lilium Washingtonianum

(Mt. Hood Lily)

A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Choice bulbs..... Each 20c; doz. \$2.00

Lily of the Valley

Extra Select Berlin Pips.

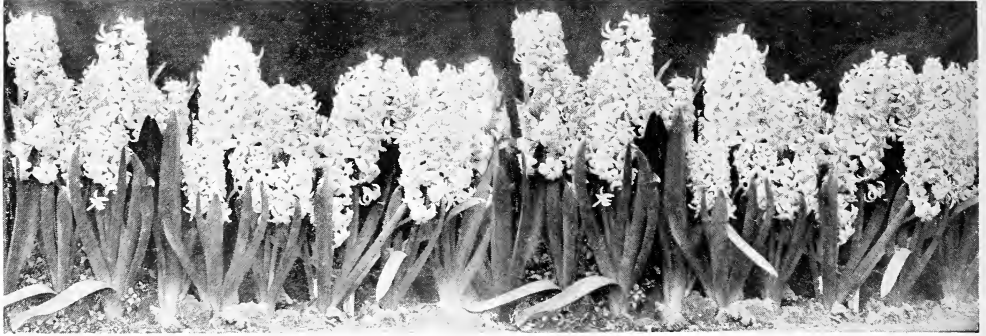
Charming Spring flowering plant, producing in profusion delicate bell-shaped, delightfully fragrant, white flowers. Valleys are perfectly hardy, and will succeed in shady situation. Left undisturbed in the open ground, they will increase from year to year.

SELECTED PIPS, for forcing indoors or planting outside. **Each 5c; doz. 40c; 100 \$2.50**

STRONG CLUMPS, for outdoor planting. **Each 30c; doz. \$3.00**

NOTE—Clumps can only be sent by express or freight at buyer's expense.

HYACINTHS




OUR named Hyacinths have massive spikes of bloom of the most delicate and beautiful shades from pure white through blush to pink, rose and deepest red, from dainty porcelain shades of blue to blue black and from cream to yellow, apricot and orange. Their dainty wax-like flowers, rare fragrance and easy culture endear them to every grower and they can be had in bloom from early winter to late spring.

Our "XX" Grade—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

Our "X" Grade—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

Culture of Hyacinths

OUTDOOR CULTURE—The preferable season is October, November and December, but bulbs give good results, if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, top and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

 *When ordering Hyacinths for bedding refer to the table inside of front cover for number of bulbs required.*

The assorted bedding Hyacinths we offer are fine large bulbs that will produce splendid spikes of bloom in the best colors. They are very low in price and much superior to the mixed bedding Hyacinths commonly sold and which are generally so variable in their shades of color as to spoil the general effect of the planting.

INDOOR CULTURE IN POTS—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

CULTURE IN GLASSES—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

DIAMOND QUALITY **BEDDING HYACINTHS** ASSORTED COLORS

A superior grade of selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing.

SINGLE—Pink, Red, Pure White, Blush White, Yellow, Dark and Light Blue. Each 7c; doz. 75c. Per 100 \$5.00.

DOUBLE—Pink, Red, White, Pure White, Yellow, Dark and Light Blue. Each 8c; doz. 85c. Per 100 \$6.00.

HYACINTHS—EARLY SINGLE

PRICES except where noted
 XX Grade. Each 20c; Doz. \$2.00 Postpaid
 X Grade. Each 15c; Doz. 1.50 Postpaid
 State varieties preferred. Special prices by the hundred.

Single Red and Pink

- BARON VAN THUYLL**—Fine pink, large spikes, early; forces easily.
CAVAIGNAC—Large salmon pink, forces well, a good keeper, extra fine for exhibition.
CHARLES DICKENS—This is decidedly one of the finest pinks; spikes large; easy to force.
GENERAL PELISSIER—Brilliant carmine, compact spike; an early forcer.
GERTRUDE—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.
GIGANTEA—Fine blush pink; giant spikes.
KING OF BELGIUM—Fine deep scarlet; compact truss. Excellent bedder.
LADY DERBY—(New)—Lovely light rose pink, large spike.
MORENO—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.
NORMA—Pale, waxy pink, handsome, large and good forcer. Extensively planted.
LA VICTOIRE—(New)—Brilliant carmine red, forces early; extra fine.

Single Blue

- GRAND LILAS**—Extra fine porcelain blue, grand large spikes and bells; forces easily.
KING OF BLUES—Deep glossy blue, large compact spikes. The finest dark blue.
ENCHANTRESS—Clear pale blue; one of the finest exhibition varieties.
LORD DERBY—Pearl blue, very large handsome spike, good for glass.
QUEEN OF THE BLUES—A beautiful light blue with silvery sheen; a large, handsome flower.

Single Pure White

- ARENTEINE ARENDSE**—Grand, pure waxy white flower, with large spike and bells.
BRITISH QUEEN—Pure white, very fine for early forcing, large compact spikes.
BARONESS VAN THUILL—Large, pure white, compact spikes, early, grows well in glasses.
LA GRANDESSE—Extra fine snow white, large spikes, a grand exhibition variety.
L'INNOCENCE—One of the earliest; pure white; fine for forcing.
MADAM VAN DER HOOP—Pure white. Fine for general planting; erect habit.

Single Blush White

- GRAND BLANCHE**—A fine blush white, flowers large and of excellent quality.
GRANDEUR A MERVEILLE—Lovely blush white, the best of its color; very large spikes.

Single Yellow

- BALL OF GOLD**—Large compact spike, golden yellow, best of its color.
IDA—Pure yellow, early forcer, fine large spike.
KING OF YELLOWS—Bright golden yellow, grand spikes, a superior bedding variety.
MAG MAHON—Rich yellow, large spike. Excellent flower, forces early.
YELLOW HAMMER—Golden yellow, extra fine flower, forces easily; exhibition variety.

Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs. Price, each 20c; dozen \$2.00

Double Red

- CHESTNUT BLOSSOM**—Light pink, large spike and bells.
NOBLE PAR MERITE—Deep red, fine large spike; early; fine forcer.
KOH-I-NOOR—Deep pink, semi-double flowers.
LORD WELLINGTON—Large spike and flower; best of the double pinks.

Double Yellow


- WILLIAM III**—Rich orange yellow, good bloomer, one of the very best yellows.
SUNFLOWER—Pure yellow, best of its color.

Double White

- BOUQUET ROYAL**—Pure white, large spike.
LA TOUR D'AUVERGNE—Earliest pure white
ISABELLA—Fine blush white; grand spike.
LA GRANDESSE—Magnificent pure white sport of the single La Grandesse.

Double Blue

- CHARLES DICKENS**—Dark porcelain blue, extra fine spikes and bells.
GARRICK—Deep azure blue, very large spike.
VAN SPEYK—Beautiful shade of lilac, large compact truss.

 Bulbs prepaid in U. S. only. Postage to Canada, Alaska and outside points extra

TULIPS

Select Large Solid Bulbs

Whether planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection and no bulb makes such a gorgeous display of blossoms with so little cultivation

CULTURE—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done six months before planting.



Single Early Scarlet Tulips

- ARTUS, B 7**—Deep, brilliant scarlet, fine for forcing or bedding. Ea. 3c; doz. 30c; 100 \$2.25
- BELLE ALLIANCE, B 7**—Brilliant scarlet, sweet scented, excellent for forcing and bedding. Each 5c; doz. 50c; 100 \$3.25
- COULEUR CARDINAL, B 10**—Rich bronze scarlet, long stems; splendid for bedding and forcing. Each 6c; doz. 60c; 100 \$4.50
- CRAMOISE BRILLIANT, B 10 (Sparkler)**—Bright vermilion, large flowers of great substance, fine forcer. Ea. 4c; doz. 35c; 100 \$2.75
- POTTEBAKKER, A 8**—Bright scarlet; large fine flower, good for forcing or bedding. Each 5c; doz. 40c; 100 \$2.75
- PRINCE OF AUSTRIA, B 12**—Bright orange vermilion, sweet-scented, fine forcer and bedder. Each 5c; doz. 40c; 100 \$2.75
- VERMILION BRILLIANT, B 8**—One of the largest and finest scarlets; forces easily and early. Each 6c; doz. 60c; 100 \$4.50

Single Pink

- ROSE GRISDELIN, B 7**—Beautiful delicate pink., Each 4c; doz. 35c; 100 \$2.50
- QUEEN OF THE NETHERLANDS, A 13**—Large, light pink, fine globe-shaped flower. Each 4c; doz. 40c; 100 \$3.00
- QUEEN OF PINKS, A 15**—(Princess Wilhelmina)—Deep rosy red, flushed white; very beautiful. Each 5c; doz. 50c; 100 \$3.50
- PINK BEAUTY, B 11**—Bright rose pink shading to blush near yellow center. Has no equal in its class. Each 6c; doz. 60c; 100, \$4.50
- PROSERPINE, A 12**—Fine glossy carmine pink, large and early forcer and a splendid bedding Tulip. Each 6c; doz. 60c; 100 \$4.25

Single White

- ALBION, B 10**—(White Hawk)—One of the finest pure white in cultivation for forcing and bedding. Each 5c; doz. 50c; 100 \$3.25
- LA REINE, B 8**—Pure white; best white Tulip for forcing and bedding. Each 4c; doz. 40c; 100 \$2.50

Finest Single Mixed—All colors and shades; fine for bedding. Ea. 3c; doz. 35c; 100 \$2.50

Single Yellow

- CHRYSOLORA, A 9**—Pure golden yellow, large and fine; excellent for bedding. Each 4c; doz. 35c; 100 \$2.25
- GOLD FINCH, B 9**—Golden yellow, sweet scented; forces easily and early; a good bedding sort. Each 4c; doz. 40c; 100 \$3.00
- MON TRESOR, A 10**—Earliest golden yellow, fine large flowers, one of the best forcing Tulips. Each 5c; doz. 50c; 100 \$4.00
- THOMAS MORUS, A 12**—Apricot orange. The finest forcing Tulip of its color, very early. Each 4c; doz. 35c; 100 \$2.75
- PRIMROSE QUEEN, B 10**—Rich sulphur yellow; a splendid forcer and good keeper. Florists should try this. Ea. 5c; doz. 50c; 100 \$3.50
- YELLOW PRINCE, B 9**—Sweet scented; one of the very best for forcing; a fine yellow. Each 4c; doz. 40c; 100 \$2.75

Single Early Violet

- VAN DER NEER, A 10**—Large violet purple, fine form, early. Each 7c; doz. 75c; 100 \$5.00
- PRESIDENT LINCOLN, B 8**—Pretty shade of lilac violet. Each 5c; doz. 50c; 100 \$4.00

Single Variegated Tulips

COTTAGE MAID, B 9—White bordered with pink, extra fine. Each 4c; doz. 40c; 100 \$3.00
DUCHESS DE PARMA, C 10—Terra Cotta with yellow edge, good bedding variety. Each 4c; doz. 40c; 100 \$3.00

FLAMINGO—Color white, flaked rosy red, fine for forcing. Each 7c; doz. 75c; 100 \$5.75
KEIZERSKROON, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed. Each 5c; doz. 50c; 100 \$3.50

Single Tulips—May Flowering

These are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the fore-ground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

BOUTON D'OR—The only late pure deep golden yellow. Each 4c; doz. 35c; 100 \$2.50

CALEDONIA—Bright orange scarlet. Fine for outdoor cutting. Each 4c; doz. 35c; 100 \$2.50

ELEGANS ALBA—White with red penciling on margin, gracefully reflexed petals, yellow anthers. Each 7c; doz. 65c; 100 \$4.50

ELEGANS-RED—Dark rich crimson, reflexed petals. Same beauty of form as Elegans Alba. Each 5c; doz. 40c; 100 \$2.75

ELLEN WILLMOTT—An exquisite shade of rich creamy yellow; delicious fragrance; long keeper. The finest May flowering Tulip. Each 6c; doz. 60c; 100 \$3.65

GESNERIANA SPATHULATA—Bloom s large; color rich crimson with dark center. Each 5c; doz. 40c; 100 \$2.75

GESNERIANA LUTEA—Deep yellow, fine large flower. Each 4c; doz. 35c; 100 \$2.50

GOLDEN CROWN—Deep yellow, with crimson edge; very showy. Ea. 4c; doz. 35c; 100 \$2.50

ISABELLA—(Shandon Bells)—Cream turning to carmine, large. Each 4c; doz. 35c; 100 \$2.50

INGLESCOMBE PINK—Salmon pink with blue base; one of the finest of the large May flowering Tulips. Each 4c; doz. 35c; 100 \$2.50

INGLESCOMBE SCARLET—Same form as the pink type. Color a rich scarlet black base. Each 5c; doz. 50c; 100 \$3.50

INGLESCOMBE YELLOW—A large fine yellow of perfect form; may be used for yellow Darwin. Each 7c; doz. 65c; 100 \$4.50

LA MERVEILLE—A large bright scarlet, suffused apricot orange; graceful long pointed petals. Each 4c; doz. 35c; 100 \$2.50

MRS. MOON—Large orange yellow. The best of its color. Each 7c; doz. 65c; 100 \$4.50

PICOTEE—White with a pink border; fine for cutting. Each 4c; doz. 35c; 100 \$2.75

PRIMROSE BEAUTY—Soft primrose, changing to white; a magnificent flower of the Willmott type. Each 5c; doz. 40c; 100 \$2.50

WHITE SWAN—A lovely egg-shaped pure white flower on long stems; extra fine cut flower. Each 4c; doz. 35c; 100 \$2.50

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

BOULE DE NEIGE (Purity). A—Pure white large pacony-like flower. Each 5c; doz. 50c; 100 \$3.25

COURONNE D'OR, B 8—The best double yellow for forcing. Each 6c; doz. 55c; 100 \$4.50

DUKE OF YORK, B 10—A lovely carmine having a white edge; very showy; fine for bedding. Each 4c; doz. 35c; 100 \$2.75

FIRE KING—Beautiful orange-red, a very striking color. Each 5c; doz. 50c; 100 \$3.75

GLORIA SOLIS, A 9—Deep crimson, with a broad, golden yellow margin; a grand flower. Each 5c; doz. 40c; 100 \$2.75

LA CANDEUR, B 8—Pure white, very full and double; extensively grown in open beds. Each 4c; doz. 35c; 100 \$3.00

MURILLO, B 8—Decidedly the best double pink Tulip for forcing or bedding; flowers large and full. Each 5c; doz. 45c; 100 \$3.25

MURILLO—SULPHUR (Brimstone Beauty)—Soft, pale yellow shaded apricot, quite an unique color in double Tulips. Height, 12 inches. Each 6c; doz. 60c; 100 \$4.75

RUBRA MAXIMA, B 9—Bright crimson scarlet; splendid for bedding; cannot be forced, flowers large. Each 5c; doz. 40c; 100 \$3.00

SALVATOR ROSA, A 7—Beautiful deep rose, flamed with white; fine for forcing. Each 5c; doz. 40c; 100 \$3.00

TOURNESOLL, A 9—Bright red, with yellow edge, sweet scented, large flower. Easily forced. Each 6c; doz. 60c; 100 \$4.25

VUURBAAK, B 14—Bright scarlet, flushed orange; very attractive. Each 6c; doz. 60c; 100 \$4.25

EARLY DOUBLE MIXED—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting. Each 3c; doz. 35c; 100 \$2.25

Giant Darwin Tulips

Darwins are rapidly becoming the most popular Tulip for outside planting. They flower in May, are of giant size and have a majestic beauty distinctively their own that is invaluable for garden and landscape effects. They come in the most varied and brilliant colorings, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the fore-ground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location.

BARTIGON—Carmine red; a great favorite and fine for forcing.

Each 6c; doz. 60c; 100 \$4.25

BRONZE QUEEN—Extra large, light bronze yellow.

Each 10c; doz. 90c; 100 \$7.00

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. Conceded by all critics to be the most magnificent of the Darwin type; splendid for forcing and flowers, must be grown cool when forced.

Each 5c; doz. 40c; 100 \$2.75

DREAM—Beautiful soft lilac self colored, extra large.

Each 6c; doz. 60c; 100 \$4.00

EUROPE—Salmon scarlet, shaded rose. Each 5c; doz. 50c; 100 \$3.50

FARNCOMBE SANDERS—Magnificent brilliant scarlet, a finely formed giant flower; the best red Darwin. Ea. 5c; dz. 50c; 100 \$3.75

GRETCHEN—Large globular delicate pink flower, inside soft blush.

Each 5c; doz. 40c; 100 \$2.50

HIPPOLYTE—A unique color among Darwin sorts being a beautiful blue-violet shade.

Each 6c; doz. 60c; 100 \$3.75

KATE GREENAWAY—One of the largest and latest; immense white flowers suffused with lilac.

Each 5c; doz. 50c; 100 \$3.50

KING HAROLD—Deep garnet red with purple black base. Splendid variety for border use. Strong stems.

Each 5c; doz. 50c; 100 \$3.25

PHILIPPE DE COMINNES—Intense velvety black. Fine for borders one of the earliest Darwins for forcing.

Each 6c; doz. 60c; 100 \$4.25

PRIDE OF HAARLEM—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.

Each 6c; doz. 60c; 100 \$4.00

REV. EWBANK—Soft mauve, light edging.

Each 6c; doz. 60c; 100 \$3.75

SCYLLA—Fiery scarlet with blue base. Beautiful large flowers of bold habit and dazzling color. Good for forcing.

Each 5c; doz. 50c; 100 \$3.50

MIXED—Each 4c; doz. 30c; 100 \$2.00



Don't Fail
to Plant
a few
Clumps of
Darwins



They make a wonderful garden display and are beautiful and lasting when cut.

LA CANDEUR—(White Queen)—Splendid white flower tinged delicate blush; large size.

Each 5c; doz. 50c; 100 \$3.50

LA TRISTESSE—Beautiful violet with light base.

Each 6c; doz. 60c; 100 \$4.50

LA TULIP NOIRE—The Black Tulip, flowers large, lustrous and attractive, of fine form, grows 24 inches high. A rare novelty.

Each 9c; doz. 90c; 100 \$7.00

MASSACHUSETTS—Large flowers of vivid pink with white center. Superb for outdoor planting.

Each 5c; doz. 50c; 100 \$3.75

MME. KRELAGE—Bright pink, lighter edge.

Each 5c; doz. 50c; 100 \$3.25

PARROT TULIPS

PARROT Tulips have immense flowers of brilliant and varied colors, with petals curiously fringed or cut. They are very showy and should be grown in every flower garden.

ADMIRAL DE CONSTANTINOPLE—Orange red, good size.

CAFE BRUN—Orange, red feathered; very showy.

CRAMOISE BRILLIANT—Beautiful carmine red, large flowers; very fine.

LUTEA MAJOR—Golden yellow, extra fine large flowers.

MARKGRAAF—Inside rich orange, outside scarlet and yellow, feathered, extra fine.

PERFECTA—Yellow, scarlet feathered.

NAMED VARIETIES

Each 5c; doz. 40c; 100 \$3.00.

FINE MIXED—This mixture contains a large assortment of colors.

Each 3c; doz. 30c; 100 \$2.00

CROCUS

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They bloom very early, dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

PRICE, except as noted: doz. 25c; 100 \$1.50

BARON BRUNOW—Bright purple, free bloomer, flowers large, extra fine.

CLOTH OF GOLD—Golden yellow, slightly veined red, flowers large.

CLOTH OF SILVER—Silvery white, striped lilac.

KING OF THE WHITES—Mammoth snow white, truly the king of all white Crocus.

PURPUREA GRANDIFLORA—Bright purple, large, fine flower. Price, doz. 25c; 100 \$2.25

Separate colors in mixed shades are extensively planted for outdoor beds or borders.

ASSORTED—Blue, striped, white or yellow. Doz. 20c; 100 \$1.00. **MIXED**—All colors. Per 100 85c

LOTHAIR—White with blue stripes, very beautiful and distinctive.

MONT BLANC—Large, pure white: one of the finest.

MAMMOTH YELLOW—Yellow, selected bulbs of large size; finest blooms.

SIR WALTER SCOTT—White, striped with purple, the best striped, very large.

MISCELLANEOUS FLOWERING BULBS

Anemones

ANEMONE FULGENS—Scarlet Wind Flower, extra large, splendid for winter forcing or early spring flowers; a profuse bloomer, lasting well when cut. Doz. 45c; 100 \$3.25

ANEMONE CORONARIA—Single Mixed. Doz. 35c; 100 \$2.50

NEW-GIANT ST. BRIGIDS—Flowers double, semi-double and single, in varied and brilliant colors, long stems, free blooming. Plant inside in the fall for winter flowers or in open ground after danger of frost has passed.

Each 4c; doz. 40c; 100 \$2.50

Chionodoxa

Lovely Scilla-like flowers. Perfectly hardy bulbous plants, planted as an edging or in masses.

LUCILLIAE—Bright blue with large, clear white center. Each 4c; doz. 35c; 100 \$2.00

Erythronium—(*Dogtooth Violet*)

DENS CANIS GRANDIFLORA, MIXED—Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming.

Each 4c; doz. 30c; 100 \$2.00

Muscari Botryoides

GRAPE HYACINTHS—Very pretty early spring blooming. Albus, white, Coeruleus, blue. Each 3c; doz. 25c; 100 \$1.50

AZUREUS—Early, bright blue. Each 4c; doz. 30c; 100 \$2.00

"HEAVENLY BLUE"—Delightfully fragrant, fine as a cut flower or for massing in border.

Each 4c; doz. 30c; 100 \$1.50

Muscari Plumosus

FEATHERED HYACINTHS—An odd and hardy variety bearing spikes of beautiful purple flowers. Each 3c; doz. 25c; 100 \$1.50

Ixias

A beautiful little flowering bulb, with low, slender, graceful spikes of bloom. Rich and varied colors. Culture same as Hyacinths.

Named Varieties, Mixed.

Each 3c; doz. 25c; 100 \$1.50

Fine Mixed. Each 3c; doz. 25c; 100 \$1.25

Ranunculus

Among dwarf flowers these are unrivaled for their vivid and gorgeous colors. Fine for winter pot plants and make an attractive addition to the border or flower garden in summer. We offer named varieties assorted.

TURBAN—Large Paemony-formed flowers; early, compactly double. Ea. 3c; doz. 25c; 100 \$1.75

GIANT FRENCH—Immense loosely formed double flowers. Each 3c; doz. 25c; 100 \$1.75

PERSIAN—Rose-shaped flowers, very double and rich. Each 3c; doz. 25c; 100 \$1.75

Sparaxis

A beautiful class of bulbs producing spikes of the most exquisite and brilliant flowers.

Very fine mixed. Each 3c; doz. 25c; 100 \$1.50

Scillas

One of the prettiest dwarf early spring blooming bulbs, producing sprays of exquisite flowers.

SCILLA SIBERICA—Blue. Each 3c; doz. 25c; 100 \$1.25

SCILLA CAMPANULATA—White, blue and rose. Each 4c; doz. 35c; 100 \$1.75

NEW—Sky Blue and Excelsior. Each 4c; doz. 35c; 100 \$2.00

SCILLA NUTANS— Doz. 35c; 100 \$1.75

Snowdrops—*Galanthus*

The first flower to bloom in the spring, producing small but beautiful white blossoms. Plant about one inch apart, setting two or three inches deep. They come up from year to year

SINGLE— Two for 5c; doz. 25c; 100 \$1.25

DOUBLE— Each 3c; doz. 30c; 100 \$2.00

"DIAMOND QUALITY"

NARCISSI

We consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; their exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

POLYANTHUS—Flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

"DAFFODILS"—The Trumpet types are the most widely known, and some of the best garden varieties are of this class, they also force easily, making ideal pot plants.

"STAR NARCISSUS"—The "Chalice Cupped" are the daintiest and most charming of all types. To this class belong the **Incomparabilis**, **Barrii**, **Leedsii**, etc., all splendid garden varieties that will give perfect results when grown in pots or forced.

POETICUS or **"PHEASANTS EYE" NARCISSUS**—The White flowered give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

POETAZ NARCISSI—Are hybrids of **Poeticus** and **Polyanthus** types, forming a distinct and beautiful, free blooming, large cluster flowered class, equally valuable for bedding or forcing; extremely hardy.


Book of
"Daffodils
and
Narcissi"
Price \$1.35
Postpaid



Culture of Narcissi

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is 1½ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep, moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm.) Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

 *In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.*

Double Daffodils

ALBA PLENA ODORATA—(6)—"The Double White Poet's Narcissus."—Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each 4c; doz. 35c; 100 \$2.25

ORANGE PHOENIX—(3)—(Eggs and Bacon)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting.

Each 5c; doz. 50c; 100 \$3.75

VAN SION—(Telamonius Plenus) (2)—"The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. Thrives and blooms in increasing profusion every spring and is also one of the best winter flowering and forcing sorts. Each 6c; doz. 60c; 100 \$4.50

VAN SION—Double nose, extra large bulbs. Each 7c; doz. 75c; 100 \$5.50

SILVER (SULPHUR) PHOENIX—(3)—Very large flowers; pale creamy white, shading to primrose. Each 6c; doz. 60c; 100 \$4.25

DAFFODILS

The trumpet types of Narcissi are the true old fashioned form of Daffodils, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots. To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

ALBICANS—(2)—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim. **Each 6c; doz. 60; 100 \$4.25**

BICOLOR EMPRESS—(3)—Perianth snow-white trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty. **Each 7c; doz. 75c; 100 \$5.25**

BICOLOR VICTORIA—(2)—A magnificent large variety, bold and erect. Sweet scented. Perianth white and of great substance; trumpet rich yellow. **Each 7c; doz. 75c; 100 \$5.50**

EMPEROR—(3)—Perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils grown. **Each 7c; doz. 75c; 100 \$5.50**

GOLDEN SPUR—(1)—Extra large, bold, rich, golden yellow flowers, foliage very broad and striking; unsurpassed for gardens, pots and forcing. **Each 6c; doz. 60c; 100 \$4.00**

Double Heads, Ea. 7c; doz. 75c; 100 \$5.50

Poeticus Varieties

The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. Especially valuable for garden planting, and if allowed to remain undisturbed, they thrive, spread and improve every year.

GLORY—(4)—The new Poeticus, largest of the type. Snowy white, perfectly formed.

Each 6c; doz. 60c; 100 \$4.50

POETICUS (Pheasant's Eye)—(5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring; are perfectly hardy out of doors—will bloom year after year. **Does not force. Each 3c; doz. 25c; 100 \$1.50**

POETICUS ORNATUS—(4)—(The Improved Poeticus)—Pure white cup, edged with scarlet. Good forcer and earlier than Poeticus.

Each 3c; doz. 25c; 100 \$1.75

Double Heads, each 4c; doz. 35c; 100 \$2.75

Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, bearing in profusion clusters of delightfully fragrant flowers. Good keepers, forcing or bedding.

ELVIRA—Broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each 5c; doz. 50c; 100 \$4.00

IRENE—Deep cup, beautifully fluted, perianth sulphur yellow, superb.

Each 8c; doz. 80c; 100 \$6.25

GLORY OF LEIDEN—(4)—A bold, giant daffodil, with golden yellow trumpet, perianth lighter, forces well, and very hardy in open ground. **Each 15c; doz. \$1.50**

MAD. DE GRAAFF—(4)—Opens with soft primrose trumpet passing to white, forces well and for garden or naturalizing in grass has no superior. **Each 15c; doz. \$1.50**

PRINCEPS—(1)—One of the finest of the large trumpet type. Also superior as a forcing variety; perianth pale sulphur; trumpet rich yellow. **Each 5c; doz. 50c; 100 \$3.25**

TRUMPET MAJOR—(3)—Flower large and almost of a uniform deep golden; forces early, largely planted for outside bedding. Fine for cutting. **Each 4c; doz. 40c; 100 \$3.00**

SIR WATKIN—Incomparabilis Type—(2)—"The Giant Chalice Flower," or "Big Welshman." Immense, long stems, flowers of rich light yellow, with a large, dark cup, tinted with orange. **Each 6c; doz. 65c; 100 \$5.00**

"Chalice Cupped" Star Narcissi

BARRII AND LEEDSII, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

Barrii Types

BARRII CONSPICUUS—(4)—Long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet.

Each 4c; doz. 40c; 100 \$3.00

FLORA WILSON—(4)—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty.

Each 6c; doz. 65c; 100 \$5.00

Leedsii Types

Dainty, graceful flowers freely borne on long stems, and are very lasting; planted in the open ground they will thrive and increase for years. They also make most satisfactory pot plants.

LEEDSII WHITE—(Type)—(Silvery white flowers of good size and form with deep daintily crinkled cups. Flowers are freely borne in clusters. **Each 7c; doz. 75c; 100 \$5.00**

MRS. LANGTRY—(4)—A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow.

Each 4c; doz. 35c; 100 \$2.25

FRANK MILES—(3)—Large, soft, clear yellow; petals gracefully curved and twisted.

Each 6c; doz. 55c; 100 \$4.75

JONQUILS

A Species of Narcissi distinguished by Rush Like Leaves


Easily grown in the house or open ground.

JONQUIL CAMPERNELLE RUGULOSUS—Improved giant Jonquil, broadly imbricated perianth, wrinkled cup, beautiful rich yellow.

Each 3c; doz. 30c; 100 \$2.25

JONQUIL CAMPERNELLE RUGULOSUS PLENUS—Double yellow flowers of great beauty on tall, graceful stems.

Each 5c; doz. 50c; 100 \$3.75

 *Bulbs prepaid in United States only—Canadian and Alaskan Postage extra.*

PERENNIAL BORDER AND BEDDING PLANTS

WE offer well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects, let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

By proper arrangement cut flowers and a grand garden display can be obtained throughout the season. The great advantage in planting perennials is their permanency and the fact that they require so little care.

Perennial Phlox

HARDY everywhere. The marvelous new colors, beautiful foliage and easy culture make this choice flower one of the most desirable for beds, borders or lawn groups where permanent effects are desired. **Each 15c; doz. \$1.50**

ANTONIN MERCIÉ—Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

ATHIS—Tall magnificent salmon pink, free and continuous bloomer.

COQUELICOT—Scarlet, with crimson eye.

DIADEM—Large flowering, pure white—dwarf.

EUROPA—Medium; immense trusses of pure white with distinct crimson eye.

GOLIATH—Truly a giant in growth; color bright crimson carmine, deeper eye.

GEO. A. STROHLEIN—Medium bright scarlet with crimson red eye; does not bleach.

HUXLY—Medium; a beautiful lavender.

MME. PAUL DUTRIÉ—Tall; delicate lilac rose, reminding one of beautiful soft pink Orchids.

MRS. JENKINS—The best tall early white for massing.

R. P. STRUTHERS—Tall, rosy carmine, with claret-red eye; fine.

SELMA—Tall; large flower; pale rose mauve with claret eye.

SUNSHINE—Dwarf; large, aniline-red with crimson-red eye and light halo.



VESUVIUS—Medium; pure red with bright purple eye; a dazzling color.

VON LASSBURG—Medium; one of the largest flowered purest whites in cultivation.

Phlox for Rock-work

PHLOX SUBULATA—(Moss or Mt. Pink).—Early spring flowering; useful for carpet bedding, cemetery planting or rockeries.

PHLOX DIVARICATA CANADENSIS—Blooms early April, has large, beautiful lavender flowers; grows 10 inches high.

Larkspur—Delphiniums

HARDY LARKSPUR.—One of the most beautiful and useful border plants; vigorous, free-blooming and hardy. The following named varieties are among the best—and the hybrids are the selection of a famous specialist.

PRICES NAMED VARIETIES—Fine Large 2-year Clumps. Each, 25c; per dozen, \$2.50.
MIXED—Each, 20c; per dozen, \$2.00.

BELLADONNA GRANDIFLORA—Clear, delicate turquoise; a strong grower.

DELPHINIUM FORMOSUM—Dark blue with white center.

DUKE OF CONNAUGHT—Large flower of bright velvety-blue with inner petals of rosy-lavender, eye nearly black.

HANS DEKKING—Very free flowering sort having flowers of a brilliant cornflower blue.

KING OF DELPHINIUMS—Giant semi-double flowers, deep blue with white eye.

MASTERPIECE—Lovely deep gentian-blue and plum. Reflexed flowers of immense size. Tall.

PERFECTION—Sky-blue petals suffused with rosy-lilac. Semi-double. Branching habit.

PRIMROSE—White sepals, yellow eye, single flowered.

QUEEN ALEXANDRA—Sky-blue, white eye, single, very effective and beautiful; 4½ ft.

TRUE BLUE—Intense deep blue with black eye. Single flowered tall sort. One of the finest.

For **DAHLIAS, GLADIOLI, CANNAS**—See our 1918 General Catalog and Planters' Guide—Ready in January.

Hardy Perennial Garden Plants—Continued

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c, are \$1.50 doz.; 20c, \$2.00 doz.; 25c, \$2.50 doz.; F. O. B. Portland.

- ACHILLEA** (The Pearl)—Pure white flowers, 2 ft. high. **Each 15c**
- ACONITUM** (Monkshood or Helmet Flower)—*Napellus*—Large dark blue flowers, 4 ft. high, invaluable for semi-shady places. **Each 25c**
- AGROSTEMMA** (Rose Campion) *Coronaria Alba Hort*—Silvery white foliage. June, July, 2½ to 3 ft., flowers rosy crimson. **Each 15c**
- ALYSSUM SAXATILE COMPACTUM**—Bright yellow corymbs; showy Spring flowering plant—also flowers in Autumn. **Each 20c**
- ANCHUSA**—*Myosotidiflora*—Beautiful sprays of forget-me-not-like flowers of rich blue. April and May. **Each 25c**
- ANCHUSIA ITALICA**—Tall growing hardy plant, with pretty blue flowers in large racemes. **Each 20c**
- ANEMONE JAPONICA**—Beautiful Fall blooming plants. Pink or white. **Each 20c**
- ANTIRRHINUM**—(Snap Dragon). Pink, Red, White, Orange, Bronze, Yellow. Tall and dwarf. **Clumps, Each 15c; Small Plants, doz. 50c**
- AQUILEGIA HYBRIDA**—(Columbine). An old favorite for Spring and early Summer. Blue, violet, pink. Fine for cut flowers. **Ea. 15c**
- ARABIS** (Rock Cress)—Very early spring flowering plants especially adapted for edging and borders. Pure white flowers.
Alpina Grandiflora—Single. **Each 15c**
Alpina Flore Pleno— **Each 25c**
- ARTEMISIA** (Lactiflora)—Hardy bright white flowers in Aug. and Sept., 4 to 5 ft. **Each 25c**
- ARTICHOKE**—Ornamental garden plant, bearing edible buds that develop into giant thistle-like blooms. **Each 15c; doz. \$1.50**
- AUBRETIA**—Pretty dwarf growing rock plants, silvery-green foliage and sheets of flowers in early spring and summer.
Bougainvillei—Purple. **Each 15c**
Leichlini—Pink. **Each 15c**
- BOLTONIA** (False Chamomile)—Large, single aster-like flowers. Blooms during the summer and autumn months.
Asteroides—Pure white, 6 to 7 ft. **Each 15c**
Latisquama—Pink slightly tinged with lavender, 4 to 6 ft. **Each 15c**
- CAMPANULA**—A dainty and beautiful flower, 2 to 2½ feet high, bearing spikes of large double snow white blossoms. Pinch off the old flowers and the plant will bloom continuously. Fine for borders or bedding. **Each 25c**
- CANTERBURY BELLS**—Pink, white, blue, large clumps. **Each 20c; doz. \$2.00**
- CHELONE** (Shell Flower) *Barbata*—Brilliant, rosy color; 2 to 3 ft., high **Each 15c**
- COREOPSIS**—(Golden Sunbeams). Beautiful golden-yellow; fine for cutting. **Each 15c**
- DIANTHUS** (Hardy Pink). **Each 15c**
- DORONICUM**—Early Spring Marguerite-like yellow flowers. Fine border plant. **Each 20c**
- ECHINOPS** (Globe Thistle) *Ritro*—Thistle-like plant with globular heads of deep metallic blue flowers, which can be dried. Flowers in August. 2 to 3 ft. **Each 25c**
- ENGLISH PRIMROSE**—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **Each 20c**
- FOX GLOVE**—(Digitalis). Tall Gloxinia Flowered. *Pink, White and Blue.* **Each, 15c**
- GAILLARDIA**—(Blanket Flower.) *Grandiflora Maxima*.—Combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; fine for cut flowers. **Each 20c**
- GALEGA** (Goats Rue) *Officinalis*—Flowers white and blue, 2 to 3 ft., all summer. **Ea. 15c**
- GEUM**—(Atrocium).—A splendid bed or border plant—18 to 24 inches—bearing freely, dainty little double red flowers. **Each 20c**
- GIANT DAISIES**—Pink and white. **Each 15c**
- GYSOPHILA**—(Baby Breath.) *Paniculata*.—Single and double; thrives during driest weather; elegant rock plants and very useful for cut flowers. **Each 20c**
- HARDY ASTERS**—Among the showiest of late flowering plants. The colors are dainty blues, shades of red, pink and white. **Each 15c**
- HELENIUM** (Sun-bridle or Sneeze-wort)—Very desirable border plant, broad-spreading heads of flowers, useful for cutting. Red, yellow, brown. **Each 25c**
- HELIANTHUS** (Hardy Sunflower)—Effective hardy plants for large borders and planting among shrubbery. Flowers, golden-yellow.
Multiflorus Maxima—Golden-yellow flowers, July to August. **Each 15c**
Multiflorus flore pleno—(Double hardy Sunflower)—July and August, 4 ft. high. **Each 15c**
Soleil d'or (Golden Sun)—August and Sept., 3 to 4 ft. high. **Each 15c**
- HELIANTHUS SPARSIFOLIA**—Superb new single sunflower of striking beauty; blooms late in the season. **Each 15c**
- HELIOPSIS** (Orange Sunflower)—July and August. Similar to Helianthus but earlier. Dwarf habit, fine for cut flowers. **Each 15c**
Pitcheriana—Beautiful deep golden yellow flowers about two inches in diameter. **Each 15c**
- HEUCHERA SANGUINEA**—Dainty alpine plant requiring shade of a rockery or fernery. The bell-shaped coral red flowers are borne on wiry stems about 18 inches. **Each 25c**
- HOLLYHOCKS**—Good soil required, work in well rotted manure; water during dry weather. **New Double and Single**—Red, yellow, pink, and white. **Each 15c; 4 for 50c**
Large clumps, Each 25c; doz. \$2.50
- LYNCHNIS** (Campion)—Excellent for border and rock gardens. Brilliant orange-scarlet. *Chalcedonica*—June and July, 2 to 3 ft. **Each 15c**
Haageana—May to June, 12 inches. **Each 15c**
- MARGUERIETE MRS. F. SANDERS**—(Annual). Valuable for conservatory or window garden in late winter or spring; excellent bedding plant during summer months; color, pure glistening white. **Each 15c; doz. \$1.50**
- MYOSOTIS** (For-get-me-not)—*Dissitiflora*—Little blue star-like flowers. Useful for borders and half shady places. **Each 10c**
- PENTSTEMON** (Beard Tongue) *Hybridum*—Large Gloxinia-like flowers, in all colors from white to deep crimson, 2 to 3 ft. high. **Each 15c**

Hardy Perennial Garden Plants—Continued

PLATYCODON (Balloon flower or Japanese Bell Flower)—2 to 2½ ft. high. After the third season the plant will have ten to twelve stalks covered with lovely blue blossoms for nearly a month, beginning about July first.

Mariesi. Each 15c

PLUMBAGO (Lead-wort) *Capensis*—A shrub-like perennial growing 3 to 5 ft. high, similar to the Phlox. Large trusses of lavender-blue flowers. Each 25c

PLUMBAGO LARPENTAE—Fine edging plant, growing four inches high and covered all Summer with sky blue flowers. Each 15c

PYRETHRUM (Persian Daisy)—Of easy culture in any garden soil where there is good drainage and full exposure to the sun. They prefer to be undisturbed for two or three years, bloom in June—*Hybridum*. Each 20c

RUDBECKIA—(Golden Glow)—Bears in profusion immense double blooms of the brightest, golden yellow; hardy everywhere. Each 15c

RUDBECKIA NEWMANI—(Black-eyed Susan). Golden yellow ray petals around a dark center. Fine cut flowers. Each 15c

SALVIA PATENS—A beautiful plant of the purest blue, blooms June to October. Is not quite hardy and needs some protection. 1½ to 2½ feet. Each 25c

SANTOLINA (Lavender Cotton)—A dwarf evergreen perennial with attractive silvery-white foliage, useful as a rock or border plant. *Chamaecyparissus incana*—Flower heads light yellow. Each 15c

SCABIOSA—Handsome border plant.

Caucasica (Blue Bonnet)—A soft shade of lavender, blooms June to Sept. Stems 18 to 24 inches. Each 25c

SEDUM (Stone Crop)—Suitable for rockery carpet bedding, etc.

Album—Green foliage and white flowers. Ea. 15c

Lydium glaucum—Glaucous foliage. Each 15c

SHASTA DAISY—(Alaska). Immense, fluffy white blooms, with golden eyes, from July until late Fall; fine for cutting; splendid border plants. Each 20c

STATICE (Sea Lavender)—Valuable for border or rockery, with tufts of leathery leaves and immense candelabra-like heads. They last for months when cut and dried. Bloom June to Sept.

Incana—White minute flowers. Each 15c

Latifolia—Minute purplish blue flowers. Ea. 25c

STOKESIA (Cornflower Aster) *Cyana*—Handsome lavender blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds. 18 to 24 inches high, June to Sept. Each 15c

SWEET WILLIAM—Old favorites for beds and borders. Each 15c

VALERIANA (Garden Heliotrope)—Decorative plant for the rockery, with strong heliotrope odor.

Officinalis—Rose tinted white flowers during June and July. Each 15c

Coccinea Rubra—Rose-pink flowers; blooms in May; 2 ft. high. Each 15c

Cocina floralba—Pure white flower tufts. Ea. 15c

VERONICA PROSTRATA—Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. Each 15c

VERONICA REPENS—(Creeping Speedwell)—Slender compact plant with blue flowers. Thrives in the sun where grass will not grow. Fine for rock work. Each 15c

VIOLA—Fragrant plants which grow in half shady places and begin to flower early in the spring. Double and single—colors violet, blue or white. Each 15c

WALLFLOWER—(Dark and Light; single and double; mixed), good subjects for rock garden and spring bedding. Each 20c

Sweet Violets

Single

Price each 15c; 8 sorts, \$1.00, Postpaid.

Double

BARONESS ROTHSCHILD—Similar to Princess of Wales, but blooms more freely.

CALIFORNIA—Very showy flowers of enormous size, deep violet blue; deliciously fragrant.

WHITE CZAR—Single white, very free flowering.

PRINCESS OF WALES—Gigantic flowers, of a very rich shade of blue, extremely fragrant.

ALASKA—Enormous flowers of a deep blue-black color and powerful fragrance.

LADY HUME CAMPBELL—Beautiful light blue, very free-blooming, exquisitely fragrant.

MARIE LOUISE—A constant bloomer, producing large flowers, lovely deep violet purple.

SWANLEY WHITE—The finest and best double white violet in cultivation.

Flavoring and Medicinal Herbs—Plants

CHIVE—Has mild onion flavor, grows in grass-like clumps; much used for flavoring.

Each 15c; doz. \$1.50

LAVENDER—By distillation produces the well-known Lavender water, the flowers for perfuming wardrobes, etc. Each 25c; doz. \$2.50

ROSEMARY—Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil. Each 25c; doz. \$2.50

SWEET MARJORAM—The sweet aromatic leaves are used in either the green or dry state.

Each 20c; doz. \$2.00

SAGE (Giant)—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage Tea. The Giant Sage is a greatly improved variety.

Each 15c; doz. \$1.50

THYME—Broad leaved, used in soup, stuffing and sauce. Each 25c; doz. \$2.50


For *GLADIOLI*, *CANNAS*, *DAHLIAS*, see our 1918 General Catalog, ready in January

PAEONIES

Double Herbaceous

THE development and increase in popularity of the Paeony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn.

 Varieties not listed in our choice collection can be supplied to your order.



ASA GRAY—Very large. Semi-double. Pale to deep lilac. Mid season. **Each \$1.00**

AVALANCHE—Very large and full, milky white. Strong grower, fragrant. Mid season. **Each \$1.00**

COURONNE D'OR—Superb white flower; immense size, reflects yellow, center petals, bordered carmine, fragrant, vigorous; late. **Ea. 75c**

DELACHEI—Large, full flower of a deep rich crimson, purplish tone; very fragrant; medium to late **Each 50c**

DELICATISSIMA—Light rosy apricot, sometimes margined carmine red. Mid season. **Each 40c**

EDULIS SUPERBA—Rose pink, delightfully fragrant. An early bloomer, ready for Decoration Day. **Each 60c**

FELIX CROUSSE—Full double, flaming red, good bloomer. Mid season. **Each 75c**

FESTIVA MAXIMA—Immense double flowers, pure white tipped or flaked with a small crimson spot at center. Early. **Each 50c**

FLORAL TREASURE—Large, very showy, pale lilac-rose, good for cutting. Mid season. **Each 60c**

FRAGRANS—Late; color deep rose; fragrant prolific bloomer; tall grower. **Each 40c**

GLOIRE d'BOSKOOP—Large globular flower of rich pink shading to lilac. Mid season. **Each \$1.00**

MAD. BREON—Flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. Early. **Each 60c**

MAD. DE VERNEVILLE—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated. Early. **Each 60c**

MONSIEUR JULES ELIE—Bomb type, pale lilac-rose shading lighter, early. **Ea. \$1.00**

MODESTE GUERIN—Medium Bomb type, softerino red, good for cutting. Mid season. **Each 75c**

OFFICINALIS ALBA—Blooms with Officinalis Rubra. Light pink at first, fading to white as flowers grow older. **Each 40c**

OFFICINALIS ROSEA—Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra, producing fine flowers for Decoration Day. **Each 40c**

OFFICINALIS RUBRA—Bright scarlet crimson; quite double and globular. Early **Each 40c**

POTTSI-ROSEA—Rich deep rose, lighter center. **Each 50c**

QUEENS PERFECTION—Creamy white, large, full and attractive. Early. **Each 40c**

Paeony Moutan

(Tree Paeony)

Grows about four feet high, forming a small tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms it presents a magnificent display. We have **Crimson, Pink, Scarlet, Rose and Variegated**.

STRONG IMPORTED ROOTS, from January to May, by express at buyer's expense (too heavy to mail). **Each 75c**

Oriental Poppy

The most brilliant and gorgeous of all hardy garden plants; blooming in May and June.

KELWAY'S HYBRIDS—Graceful, bright-colored cup-shaped flowers. **Ea. 20c; doz. \$2.00**

PERRY'S WHITE—Pure satiny white with brilliant crimson marking at base of petals. **Each 25c; doz. \$2.50**

ORIENTAL POPPY—Red. The old time favorite. **Each 20c; doz. \$2.00**

MAHONY—A magnificent flower of the darkest richest color yet known in a poppy, almost a true dark mahogany. Large free blooming. **Each 25c; doz. \$2.50**

SALMON QUEEN—Rich salmon pink with coppery orange suffusion; deep purplish black center and markings. **Each 25c; doz. \$2.50**



IRIS are of such easy culture and rare beauty that everyone should grow them. They make a magnificent display either in clumps or border, blooming profusely and increasing rapidly and are perfectly hardy in the open ground, preferring a moist situation. Plant Fall or early Spring.

Japanese Iris (*Iris Kaempferi*)

Japan Iris are unsurpassed for their brilliant and varied colorings, producing effects that are truly marvelous. Blossoms early summer. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant, using stable manure, but do not apply after growth starts.

Single Varieties

- YOMO-ZAKURA**—Light ground, densely veined and suffused purple.
O-YO-DO—Dark violet.
ISO-NO-NAMI—Silvery white, veined violet.
SHINOGO—White.
YJINO—Reddish purple, mottled and veined white.

Double Varieties

- HANA-AOI**—Bright violet blue shaded white to center.
OSHO-KUN—Navy blue, purple center, late.
WAKA-MURA-SAKI—Crimson, purple, blue shadings and blotches in center.
SENJO-NO-HORA—Mottled and veined, red, purple and white.
KUMOMA-NO-SORA—White, with a strongly marked sky-blue zone and mottled in the same shade.
YEZO-NISHIKI—Deep rich crimson, mottled and blotched white, 3 standards same color.
KUMA-FUNJIN—Purple overlaid with navy blue, 2 standards, very large orange blotches.
KUMO-NO-OBII—Dark lavender purple, large handsome flower, 3 petals.

NAMED VARIETIES.

Each 20c; doz. \$2.00; 100 \$15.00

MIXED, GOOD ASSORTMENT.

Each 15c; doz. \$1.50; 100 \$11.00

Iris Siberica

A dainty free blooming Iris producing beautiful dark blue flowers, fine for cut flowers or garden decoration.

Clumps, Each 25c; doz. \$2.00; Postpaid.

Spanish Iris

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success. They are vigorous and free-blooming, keeping well when cut and force easily.

Blooms in early June two weeks before the English variety.

BLANCHE FLEUR—The best white for forcing or outdoor culture. A grand flower.

BRITISH QUEEN—Pure white magnificent flower of large size.

BRONZE QUEEN—The finest terra cotta. Distinct shade. Very beautiful.

CAJANUS—The best golden yellow Iris in cultivation, either to force or to grow outside.

DARIUS—A pleasing light blue—earliest of all.

EXCELSIOR—Light blue. Latest blooming of Spanish Iris varieties.

HERCULES—Beautiful dark bronze flowers. A pleasing addition to Iris collections.

COUNT OF NASSAU—The finest dark blue Iris. Has an agreeable honeysuckle perfume.

KLONDYKE—Rich deep yellow; very early and extra fine.

LOUISE—A beautiful shade of light blue, large, splendid flower.

SULPHUR BEAUTY—A splendid new light yellow of great merit.

FINEST NAMED VARIETIES.

Each 3c; doz. 25c; 100, \$1.50

MIXED, SELECT, ALL COLORS.

Each, 3c; doz. 20c; 100, \$1.00

English Iris

English Iris is very hardy and has a wide range of colors; they follow the Spanish Iris and are passing when the Japanese begin blooming. Plant 3 to 4 inches apart, in any good soil.

BLEU CELESTE—Pale blue.

EMPEROR—Violet.

GRAND VAINQUEUR—Purple, flaked red.

MISS BARKLEY—White, flaked crimson-violet.

MONTBLANC—Snow-white; beautiful variety.

PRINCE OF WALES—Dark blue.

Each 6c; doz., 60c; 100, \$4.00

For DAHLIAS, CANNAS, GLADIOLI, See our General Catalog, ready in January

German Iris

One of the best of the early hardy Spring flowers. They produce magnificent orchid-like blooms of great size and delightful fragrance.

CELESTE—Satiny blue.

FLORENTINE ALBA—White.

PALLIDA DALMATICA—Extra large, true lavender, fine for massing or as a cut flower.

MADAME CHERAU—Large white, dainty frilled blue edge.

MAORI KING—Rich deep yellow.

SPECTABILIS—Violet purple.

SHAKESPEARE—Bronze violet.

MARS—Light yellow and cream.

Prices: **CHOICE ROOTS** Each 15c; doz. \$1.50; 100 \$10.00

Popular Annual Bedding Plants

During the months of April and May we have thousands of the following bedding plants, price per dozen by express at buyer's expense:

| | | | | | | | |
|-----------------|--------|-------------------|--------|------------------|-----|--------------|------------|
| Alyssum..... | \$0.30 | English Daisies.. | \$0.50 | Lobelia..... | .30 | Phlox..... | .30 |
| Asters..... | .30 | Forget-Me-Not.. | 1.00 | Marigold..... | .30 | Salvia..... | 30 and .50 |
| Carnations..... | .60 | Geraniums, 75c to | 2.00 | Mignonette..... | .50 | Stocks..... | .30 |
| Cosmos..... | .30 | Heliotrope..... | .50 | Petunia...30 and | .50 | Verbena..... | .30 |

Miscellaneous Ornamentals

Bleeding Heart

SPECTABILIS—Hardy spring flowering plants, with elegant green foliage and long, drooping heartshaped flowers. **Each 30c, postpaid**

PAMPAS GRASS—Ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes; 6 to 8 feet high.

Strong roots, each 60c to 75c

Large specimen plants, \$2.00 to \$5.00

St. Johns Wort

(*Hypericum Moserianum*)

Low growing with yellow blooms; a drought resister. July and August. **Clumps 50c**

Tritoma (Pfitzeri)

EVERBLOOMING FLAME FLOWER—(or **Red Hot Poker**)—Rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; winters best if lifted and stored in sand. Fine for borders or mass effects.

Strong flowering roots 25c, doz. \$2.50 postp'd

Yucca

SPANISH BAYONET OR ADAM'S NEEDLE—Bell-shaped flowers on laterals, forming a perfect pyramid; fine for rockwork. 2 to 3 ft.

FILAMENTOSA—Thread leaved creamy white; July. **Plants, 2 feet, each 75c to \$1.00**

Water Lilies

THESE beautiful and interesting plants can be easily grown in tubs made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old, well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water. Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

NYMPHAEE—Hardy white. **Single roots, 35c, postpaid; large roots, 75c to \$1.50, prepaid.**

Parrots' Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the soil surface.

Good roots, each 25c; doz. \$2.50

Mastodon Pansies—In Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom. Put up one dozen in a basket.

Price, 60c to \$1.00 per basket by express, buyer to pay charges.

Giant Pansies

NEW GIANT PANSIES—Our Giant Plants can not be compared to any other Giant Pansies. **Each 5c; doz. 50c; by mail 75c doz.**

MASTODON PANSY SEED—We offer a limited amount of this hand selected seed, **DIAMOND MIXED**, and four named varieties. **Per pkt. 25c; Large Trade pkt. \$1.00**





DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of famous European growers.

Abbreviations

T.—TEA—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth and easy of culture, producing large fragrant flowers.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are harder, but, as a rule, not so hardy as the H. P.'s. Many of our best roses are in this class.

Other abbreviations that are often used are: **S.—Single**; **H. B.—Hybrid Briar**; **Wich—Wichuriana**; **N.—Noisette**; **Poly—Polyanthus**; **Pern—Pernetiana**; **A. B.—Austrian Briar**.

Planting and Care

In our favored section, roses attain a perfection seldom equaled, but you cannot expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL—Any good, well-drained garden soil, enriched with fertilizer, will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

FERTILIZER—Our odorless fertilizer, Bone Meal, Tankage of Blood, will give excellent results and should always be applied after the plants start their growth.

WATERING—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

PRICES—35c roses, \$3.00 doz.; 40c roses \$4.00 doz.; 50c roses \$5.00 doz.; 60c roses \$6.00 doz.; 75c roses \$8.00 doz.; \$1.00 roses \$10.00 doz.

FINALLY—Keep the surface well worked around the plants. This is as necessary as water or fertilizer. When planting cut back freely, and the bush will recover quickly.

SHIPPING—We always send all our two-year-old rose bushes charges collect by express or freight packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost to cover postage, but in such cases we always prune the tops and roots ready for planting.

OREGON GROWN ROSES Are ready for Fall delivery in October in late November and December. Most all stock offered for Fall delivery is budded 2-year Field Grown Roses, as many varieties do not give good results grown on their own roots. But for those who prefer "own root" Roses we can secure most varieties.

We offer a splendid assortment of popular roses and the best of the new ones, and can secure any variety in commerce, TRUE to NAME.

Beautiful Roses of Recent Introduction

DUCHESS OF SUTHERLAND—(H. T.)—Delicate warm rose-pink with lemon shading on white base. Sweet briar perfume. **Each 75c**

HADLEY—(H. T.)—Color, beautiful bright red. Very free and constant. **Each \$1.00**

HOOSIER BEAUTY—Crimson scarlet with darker shadings, velvety texture. Bud long and pointed. Deliciously fragrant. **Each \$1.25**

QUEEN MARY—(H. T.)—Color lemon chrome, bordered at the edge with pure, deep carmine; a charming combination affording a most delightful contrast. **Each 75c**

LADY MARY WARD—(H. T.)—Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veining. **Each 75c**

OPHELIA—(H. T.)—Orange salmon buds, the gracefully reflexed petals, shading to dainty pink, the open flowers of great refinement and rare and lasting beauty. The foliage is clean, dark and leathery—growth vigorous and free, producing long canes. Blooms early and continuously. **Each 75c**

OLD GOLD—(H. T.)—Medium sized flowers of a vivid reddish orange color with coppery red and coppery apricot shadings. **Each 60c**

New Los Angeles


THIS grand new American Rose is offered as the most valuable and useful introduction of recent years. The foliage is a rich luxuriant glossy green, proof against mildew and fungus attacks, the canes are strong, growth vigorous and each shoot bears a glorious perfect rose of the most exquisite form and rare beauty of coloring. It is described by the originator as "a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals." The fragrance equals in intensity the finest Marechal Neil; buds long pointed and lasting, and open flowers will keep for five or six days after cutting. The flowers are very large, petals of good substance, firm and lasting and the beauty of coloring does not fade. Flowers profusely all season on strong shoots that often attain a growth of 4 to 5 feet; when these are cut the side shoots flower freely.

Two-year field grown plants.

Each \$1.50

BEAUTIFUL ROSES, RECENT INTRODUCTION

The following are the recent novelties and Gold Medal roses that have proven their merit and are now becoming generally in great demand.

 **Fine 2-year Dormant Plants 50c; \$5.00 per doz. unless otherwise priced.**

- BRITISH QUEEN**—(H. T.)—Pure white large, full flowers, opening freely. Fine for cutting.
- COUNTESS OF SHAFTESBURY**—(H. T.)—Bright, silvery carmine, mottled and flushed shell pink. Profuse bloomer.
- DUCHESS OF WELLINGTON**—(H. P.)—Intense saffron yellow stained with rich crimson which, as the flower develops, becomes deep coppery saffron yellow. Delightfully fragrant.
- EDWARD MAWLEY**—(H. T.)—Long pointed buds of deep, rich, velvety crimson, a decided advancement in its class.
- GEORGE DICKSON**—(H. T.)—Very strong and vigorous; velvety blackish crimson, with back of petals heavily veined with pure crimson maroon. Delightfully scented. **Each 60c**
- JULIET**—(H. B.)—A wonderful combination of old gold on the outside of petals and a rich rosy red on the inside. Flowers large and full.
- LADY HILLINGDON**—(T.)—Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting.
- LADY ALICE STANLEY**—(H. T.)—Large, full flowers of lovely, deep coral, inside pale flesh. A free grower and a profuse bloomer.
- LOUISE CATHERINE BRESLAU**—(H. T.)—Coral red, shaded chrome yellow, opening to a flower of shrimp pink, shaded coppery orange.
- LYON**—(Permetiana)—Beautiful shrimp pink with salmon and chrome yellow shadings. Large, coral red buds, beautifully formed.
- MELODY**—(H. T.)—Intense deep saffron yellow with primrose edges. Blooms medium size, very fragrant and freely produced.
- MRS. CHAS. E. ALLAN**—(H. T.)—A novel coloring, opening a pale orange and changing to ochre as the flower opens. Long, pointed buds. A vigorous grower. Free bloomer.
- MAD. EDOUARD HERRIOTT**—The famous winner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in a rose. **Ea. 60c**
- MADAME MELANIE SOUPERT**—(H. T.)—Splendid new orange yellow shaded pink; beautiful, long-pointed buds. Best of its color.
- MARQUIS DE SINETY**—(H. T.)—Deep saffron yellow, flushed reddish copper. Flower large, beautiful dark foliage.
- MRS. CORNWALLIS WEST**—(H. T.)—Large flowers, of rosy shell pink, changing to pure white with age. Growth vigorous and erect.
- MRS. FOLEY HOBBS**—(T.)—Immense flowers of ivory white, delicately tinged pink on edge of petals. A great bedding rose. **Each 60c**
- MRS. E. J. HOLLAND**—(H. T.)—Deep salmon rose, shading lighter as the flower expands.
- RAYON D'OR**—(Pern)—Long, pointed buds of deep orange-cadmium smeared claret, opening to a rich sunflower yellow. Foliage is deep, glossy green; and free from mildew.
- SUNBURST**—(H. T.)—The finest of all yellow roses with long pointed buds. Color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green.



GRAND GARDEN ROSES

In this list you will find many famous prize winners and some of the most beautiful and popular roses.

Price: Two-year-old Plants 40 cents each, unless otherwise priced.

- DOROTHY PAGE ROBERTS**—(H. T.)—Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.
- FARBEN KOENIGIN**—(H. T.)—Imperial pink, reverse of petals carmine; good bedding rose.
- HARRY KIRK**—(H. T.)—Deep sulphur-yellow passing to a lighter shade at the edge of petals. Robust growth; free branching habit.
- JONKHEER J. L. MOCK**—(H. T.)—Inside of petals red, outside silvery blush white. Rapid grower.
- JOSEPH HILL**—(H. T.)—Salmon pink shaded yellow. Outside petals yellow suffused copper.
- LADY ROBERTS**—(T.)—Rich apricot, base of petals coppery red, edges shaded orange.
- MRS. AARON WARD**—(T.)—A deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. One of the most beautiful roses in existence. **Each 50c**
- LE PROGRESS**—(H. T.)—Nankeen yellow, opening to saffron yellow; large and full.
- MILDRED GRANT**—(H. P.)—Delicate pale pink, shading to silvery white in center; grand giant variety; rare beauty; pointed buds.
- MRS. DAVID MCKEE**—(H. T.)—Creamy yellow, large, full and free. **Each 50c**
- MRS. DAVID JARDINE**—(H. T.)—Delightful shade of bright, rosy pink, shading in outer petals to salmon pink; large, highly perfumed.
- MADAME PHILLIPPE RIVOIRE**—(H. T.)—Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large and full.
- MAD. SEGOND WEBBER**—(H. T.)—Large, pure, rosy salmon, vivid center, free bloomer.
- MRS. A. R. WADDELL**—(H. T.)—Large, long pointed buds of a bright, rosy scarlet, opening to a rich apricot or salmon color.
- PHARISAER**—(H. T.)—Rose, shaded salmon, flowers of large and finest form; blooms freely.

Finest Hardy Perpetual Roses

FOR Eastern Oregon and Washington or in sections where the winters are severe, this collection will thrive and bloom freely where the Tea and Hybrid Tea roses would not prove satisfactory.

Young Plants, 15c; Set of 14 sorts, \$1.40. Two-year-old Plants, 35c each; \$3.50 per dozen.

- BARONESS ROTHSCHILD**—(H. P.)—Flowers of immense size; color bright rosy pink.
- CAPTAIN HAYWARD**—(H. P.)—Immense flowers in great freedom, sweetly scented. Color deep glowing red shaded crimson.
- CONRAD F. MEYER**—(Rug.)—Beautiful silvery pink, very hardy, its handsome foliage makes it most valuable for a flowering hedge.
- FRAU KARL DRUSCHKI**—(H. P.)—The white American Beauty. Makes splendid buds and immense flowers; perfectly double.
- GLOIRE LYONNAISE**—(H. P.)—Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet, very distinct.
- HUGH DICKSON**—(H. P.)—Glowing crimson-shaded scarlet. A strong grower and perpetual bloomer (should be cut back freely).
- GENERAL JACQUEMINOT**—(H. P.)—Bright, shining crimson; very rich and velvety.
- MRS. JOHN LAING**—(H. P.)—A soft, delicate pink, with satiny tinge; very free flowering.
- MABLE MORRISON**—(H. P.)—Of purest velvety white; very double and rounded.
- MARGARET DICKSON**—(H. P.)—White, with pale flesh center; large, shell-shaped petals; fragrant.
- MRS. R. G. SHARMAN CRAWFORD**—(H. P.)—Lovely deep rose pink, outer petals shaded pale flesh, base white. Large flowers.
- PAUL NEYRON**—(H. P.)—Deep, shining rose, blooms freely, the largest variety in existence.
- PRINCE CAMILLE DE ROHAN**—(H. P.)—Dark, rich, velvety crimson, passing to intense maroon, shaded black; best of its color.
- ULRICH BRUNNER**—(H. P.)—Extra large, bold flowers, full and globular; color, rich, glowing crimson, elegantly flamed with scarlet.

Baby Rambler or Dwarf Polyanthus Roses

2-year-old plants, 35c each. Except as noted

- CECILE BRUNNER**—Bright, rose, yellowish in center; very sweet; dwarf polyanthus.
- PINK BABY RAMBLER**—(Mrs. W. Cutbush) Clusters of pretty double bright pink flowers; freely produced in panicles, always in bloom.
- ERNA TESCHENDORF**—A valuable sport from Mad. N. Levavasseur. Color, deep crimson.
- KATHERINE ZEIMET**—Small, double, pure white flowers. A free and continuous bloomer.
- GEORGE ELGER**—Free blooming, erect growth, golden coppery yellow. **Each 40c**
- BABY RAMBLER**—(Dwarf Bush Type)—Not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage.
- PERLE D'OR**—Clusters of dainty Nankeen yellow buds with orange center, very beautiful.
- JEAN DE ARC**—Miniature double white flowers in large clusters surmount plants all summer.
- JESSIE**—Bright scarlet shaded crimson. Flowers double and in great clusters. Very free.
- ORLEANS**—(Poly)—Clusters of bright rosy red flowers, with centers shaded to pure white.

Favorite Garden and Exhibition Roses

A choice collection of the best standard varieties, "tried and true," sure to give satisfaction.

Price, Two-year Field grown Plants, 35c; Doz. \$3.00

- AMERICAN BEAUTY**—(H. P.)—One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner.
- AVOCA**—(H. T.)—Deep scarlet crimson flowers of perfect form; very fragrant.
- BELLE SIEBRECHT**—(H. T.)—A true, solid pink of richest shade. The flowers are large, of long, tapering shape, with high center.
- BESSIE BROWN**—(H. T.)—Creamy white; large full, of very fine form. An exhibition rose.
- BETTY**—(H. T.)—Beautiful coppery rose color, overspread with golden yellow. Fragrant.
- COUNTESS OF GOSFORD**—(H. T.)—Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.
- DEAN HOLE**—(H. T.)—Beautiful silvery carmine, shaded bright golden pink. Free bloomer.
- ETOILE DE LYON**—(T.)—Sweet scented; color, rich golden yellow; blooms freely.
- FLORENCE PEMBERTON**—(H. T.)—Creamy white, suffused pink. Very large and full.
- FRANZ DEEGAN**—(H. T.)—This beautiful yellow is a fine grower, having the good habit of throwing up numerous heavy canes.
- GENERAL McARTHUR**—(H. T.)—Dazzling crimson scarlet; delicious perfume and magnificent foliage. Blooms in great profusion.
- GRUS AN TEPLITZ or VIRGINIA R. COXE**—(H. T.)—Color, fiery crimson, with a dark velvety sheen, very fragrant. Free blooming.
- J. B. CLARK**—(H. T.)—Flowers are intense scarlet shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous.
- KAISERIN AUG. VICTORIA**—(H. T.)—Elegant, large pointed buds; large, full double flowers; color delicate creamy white; fragrant.
- KILLARNEY**—(H. T.)—An exquisite shade of deep shell-pink lightened with silvery pink.
- LADY ASHTOWN**—(H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large.
- LADY BATTERSEA**—(H. T.)—Long, oval buds, sharply pointed; very striking in form. The color is a bright, cherry crimson.
- LA FRANCE**—(H. T.)—A silvery rose, changing to pink. A general favorite. Sweetest of all roses.
- LA DETROIT**—(H. T.)—A beautiful shell-pink shading in center to soft rose pink. Reverse of outer petals creamy-flesh tint, strong grower.
- MAD. ABEL CHATENAY**—(H. T.)—Color, beautiful rosy carmine, with darker shadings.
- MADAME CAROLINE TESTOUT**—(H. T.)—Bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."
- MAD. RAVARY**—(H. T.)—Clear orange yellow. Long pointed buds; flowers of fine form.
- MAMAN COCHET**—(T.)—Color is a deep rosy pink, the inner side of the petals silvery rose.
- MARIE VAN HOUTTE**—(T.)—Of a fine faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine.
- MME. LEON PAIN**—(H. T.)—A silvery flesh with yellowish orange center; large and full.
- MY MARYLAND**—(H. T.)—Beautiful, bright pink, with paler edges; fragrant; robust grower.
- PAPA GONTIER**—(T.)—A vivid cherry red color, shaded yellow, reverse of petals crimson.
- PERLE DES JARDINS**—(T.)—A clear, golden yellow, an indescribably rich, beautiful shade.
- PRINCE DE BULGAIRE**—(H. T.)—Very vigorous grower, with large, bright green foliage. Outer petals are extremely large, of superb rosy flesh color; center of flower bright red.
- PRES. W. R. SMITH**—(T.)—(Maidenblush)—Elegantly shaped buds and open flowers of exquisite silvery pink color; sweetly perfumed.
- RICHMOND**—(H. T.)—Vivid red buds and flowers of the most perfect and desirable form.
- SAFRANO**—(T.)—Bright apricot yellow, tinged orange and fawn.
- SOUV. DE PIERRE NOTTING**—(T.)—Very large; elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.
- SOUV. DE PRESIDENT CARNOT**—(H. T.)—Lovely shell-pink, delicately tinted with gold fawn on rich creamy white. Superb for bedding.
- VISCOUNTESS FOLKESTONE**—(H. T.)—Color, delicately tinted flesh, almost white, with beautiful satin finish; strong stems.
- WHITE LA FRANCE**—(H. T.)—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.
- WHITE KILLARNEY**—(H. T.)—Long pointed buds of purest white and heavy wax-like texture opening to large full flowers; very lasting.
- WHITE MAMAN COCHET**—(T.)—Immense size, exquisitely fragrant; long, pointed buds.

Single Roses

- AUSTRIAN COPPER**—(A. B.)—A beautiful single rose of bright reddish copper. **Each 50c**
- IRISH ELEGANCE**—(S.)—Large, single, golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage. **Ea 40c**
- IRISH FIREFLAME**—(S.)—Deep orange splashed crimson, changing to fiery orange crimson; buds hold shape long time. **Ea. 60c**
- IRISH SIMPLICITY**—(S.)—Almost single; pure white, of immense size, with golden yellow anthers resembling a huge water lily. **Ea. 50c**

Moss Roses

Price, each 35c; dozen \$3.00

- BLANCHE MOREAU**—Flowers pure white, large, sweetly perfumed. Best white Moss Rose.
- CHAPEAU DE NAPOLEON**—Splendid rich red, best of its color.
- CRESTED MOSS**—Bright rose, light edging, well mossed.
- EUGENE GUINOISSEAU**—Beautiful dark red.
- SALET**—Color, lovely satin rose; very full and of great beauty; one of the best.

Climbing and Pillar Roses

Two-year-old bushes, Field Grown 35c each; \$3.00 doz. (except as noted)

- AMERICAN PILLAR**—(WICH)—A beautiful bright pink with yellow anthers.
- BEAUTY OF GLAZENWOOD**—Bronzed yellow or copper and fawn color. Hardy and free.
- CLI AMERICAN BEAUTY**—Rich crimson color; delightful fragrance; very free bloomer.
- CLIMBING CECIL BRUNNER**—Clusters of pretty pink flowers, especially beautiful in bud.
- *CLIMBING FRAU KARL DRUSCHKI**—Identical to bush type; good pillar rose. **Ea. 50c**
- CLIMBING KAISERIN (Mrs. Robert Peary)**—Flowers large, ivory white, of heavy texture.
- CLIMBING LA FRANCE**—Identical with the well known La France; vigorous climber.
- *CLIMBING LADY ASHTOWN**—Vigorous climbing sport of this valuable rose. **Each 50c**
- CLI. MADAME CAROLINE TESTOUT**—Immense globular flowers of the same beautiful shade of pink as seen in the bush sort.
- CLIMBING METEOR**—Rapid grower; rich, dark, velvety crimson flowers.
- CLIMBING WHITE MAMAN COCHET**—Identical with bush type; vigorous free bloomer.
- DUCHESS D'AUERSTADT**—Fine rich yellow, flowers are large, full and open freely. **Each 50c**

- GAINSBOROUGH**—Graceful flower of dainty shell pink color and satiny finish. Very hardy.
- GLOIRE DE DIJON**—Free flowering; delicate tea scent; color, a blending of amber.
- MADAME ALFRED CARRIERE**—Full flowers, very double and sweet; color, rich, creamy white, faintly tinged pale yellow and blush.
- MARECHAL NEIL**—A magnificent deep golden yellow variety; so famous as to need no description; finest of its color. **Each 40c**
- CLIMBING PAPA GONTIER**—(T.)—A "Native Sport" from this favorite variety.
- PINK CHEROKEE**—Lovely single blossoms 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.
- REINE MARIE HENRIETTE**—Flowers large and full; glowing crimson, elegantly shaded.
- REVE D'OR (Climbing Safrano)**—Color apricot yellow, with orange and fawn tints.
- RED CHEROKEE**—Growth and habit similar to pink and white Cherokee.
- WHITE CHEROKEE**—Strong erect grower. Large pure white flowers borne profusely.
- WILLIAM A. RICHARDSON**—Rich coppery yellow, flushed carmine; a beautiful variety.

The Popular Rambler Roses

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season.

Price: Two-year-old plants, 35c each; dozen \$3.00.

- FLOWER OF FAIRFIELD**—Brilliant crimson, base of petals white; a splendid grower and a great improvement over the old type.
- PHILADELPHIA RAMBLER**—An improved type of the favorite Crimson Rambler; color, deeper, and more brilliant; flowers double.
- VEILCHENBLAU (Blue Rambler)**—Large trusses of semi-double flowers, opening pink, but quickly change to a violet, or steel blue.
- DOROTHY PERKINS**—Polyanthus type; a beautiful bright shell pink; large double flowers.
- RED DOROTHY PERKINS**—Fine crimson Rambler; glossy green foliage; never troubled with mildew. Flowers very double.
- TAUSENDSCHON**—A lovely shade of soft pink, free and vigorous; splendid foliage.

- YELLOW RAMBLER**—Pure, bright yellow; same type and growth as Crimson Rambler.
- WHITE DOROTHY**—A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, white flowers.

Standard, or Tree Roses

PRICE: Tree or Standard Roses, \$1.00 to \$1.50 each, according to size of head.

Tree roses are budded, or grafted on hardy rose stocks about four feet high. They soon make good size heads, forming a small tree; desirable for planting as single specimens, in backgrounds or rows along walks or driveways. **Order any color or variety you wish and we will send it or give you a good substitute.**

Flower Pots

FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE.

| Size | Each | Dozen | Saucers | Each |
|---------|-------|--------|---------|--------|
| 2-inch | \$.02 | \$0.20 | | |
| 3-inch | .03 | .30 | | |
| 4-inch | .05 | .40 | | \$0.04 |
| 5-inch | .07 | .75 | | .04 |
| 6-inch | .10 | 1.00 | | .07 |
| 7-inch | .15 | 1.50 | | .10 |
| 8-inch | .20 | 2.00 | | .10 |
| 9-inch | .25 | 2.65 | | .15 |
| 10-inch | .40 | | | .20 |
| 12-inch | .75 | | | .39 |

HANGING BASKETS

These are well made and are better than wire baskets, as plants do not dry out so quickly.

| | | |
|---------|-------------|-------------|
| 8-inch | Each \$0.25 | Doz. \$2.50 |
| 9-inch | .. .30 | .. .3.00 |
| 10-inch | .. .40 | .. .4.25 |
| 12-inch | .. .60 | .. .6.50 |

NOTE—At above prices we will pack the pots carefully, but buyer must pay freight or express charges.

FLORISTS, nurserymen and growers should send list of requirements for Special Prices

APHISCIDE—The Best Summer Spray for Roses—qt. 25c, gal. 60c, ready for use




Ornamental Climbing Vines



Clematis

Clematis is one of the most beautiful and useful climbers. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support.

DUCHESS OF EDINBURG—Double, white.

LAWSONIANA—Light blue.

VILLE DE LYON—Red.

RAMONA—Beautiful lavender, best of its color.

MONTANA—White anemone-like flowers. May to July; very hardy, rapid grower.

HENRYI—Fine, large, creamy white flowers; a strong grower and very hardy.

JACKMANII—Intense violet purple, with a rich velvety appearance; distinctly veined.

MAD. ED. ANDRE—A beautiful new variety; flowers red, large and abundant.

Choice plants of above sorts, each 60c
Large plants, each 75c to \$1.00, postpaid

CLEMATIS PANICULATA—A rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; well adapted for covering trellises or fences.

Choice plants, each 35c to 40c; large, 50c to 60c.

Honeysuckle

BELGIAN—Flowers yellow, blotched with red above; blooms all summer, fragrant. **Each 50c**

JAPANESE—Evergreen; fragrant flowers, white changing to yellow. **Each 35c**

HALL'S—Evergreen, very popular; white turning to yellow. **Each 50c**

Jasmine

JASMINE NUDIFLORUM—Branches drooping, enveloped with bright yellow flowers before leaves appear. **Each 50c**

GARDENIA FLOWERED, CAPE JASMINE—Free-blooming, pure white flowers, star shaped; foliage delicate; evergreen. **Each 50c**

Pink Passion Vine

A rapid growing, attractive vine, flowering freely throughout the summer and fall. Plant out in April or May. **Each 50c**

Wistaria

W. SINESIS—(Chinese Wistaria)—Grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in Autumn.

Choice plants, each 35c to 50c; large 75c to \$1.50.

WISTARIA CHINENSIS VARIEGATED—Yellow variegated leaves, pretty after flowering for the beautiful speckled foliage which is very attractive among other green foliage. Flower same as common Chinese Wistaria.

Each 75c to \$1.50

W. MULTIJUGA—Similar to Wistaria Sinensis except in color of flowers which are dark violet blue, borne in very long-racemes.

Each 75c to \$1.50

WISTARIA MULTIJUGA PINK—Same as above only flowers are light pink. A very rare sort.

Each 75c to \$1.50

W. BRACHYBOTRYS—White flowering.

Each 75c to \$1.50

Ampelopsis

VEITCHI "Boston Ivy"—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. **Each 35c**

QUINQUEFOLIA "Virginia Creeper"—Common American Ivy. **Each 35c**

English Ivy

Large, thick, shining, leathery leaves; evergreen. **Each 25c**

Trumpet Vine

BIGNONIA GRANDIFLORA—(Trumpet Vine)—Strong climber; deciduous; flowers orange scarlet. **Each 50c**

BIGNONIA TWEDIANA—Evergreenclinging; flowers canary yellow. **Each 50c**

Dutchman's Pipe

ARISTOLOCHIA SIPHO—A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower. **Strong plants. Each 50c**

Kudzu Vine

Rapid climber with large heavy foliage; purplish flowers in racemes; during late August. **Strong roots, 35c; doz. \$3.00**

ANNUAL VINES—*Cobaea Scandens*, *Wild Cucumber*, *Canary Bird*, *Morning Glory*, *Nasturtiums*, etc.—**SEEDS AND PLANTS IN SEASON**



Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season

WE use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," do not remove the burlap. Plant as received, only cut the string around the top, then loosen the burlap after the tree is set. If you cannot plant immediately on receipt, always "heel" in the trees so their roots may be in contact with good soil.

Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens, in planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. **Be sure to Pack the Earth Solidly Around the Roots.** The neglect of this important detail is responsible for many failures.

DECIDUOUS SHRUBS

Althea—Rose of Sharon

Flowers delicate, bell shaped, blooming at different times during summer.

Choice named varieties, 3 to 4 feet, 50c, 75c
GRANDIFLORA SUPERBA—Double, delicate blush, carmine center.

ELEGANTISSIMA—Double white.

MEEHANI—Leaves variegated, single lilac-pink flowers.

DOUBLE RED OR WHITE. Each 50c

Flowering Almond

PINK—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. 2 feet, 50c

WHITE—Same, though white flowers. Each 50c

Azalea Mollis

Very bushy; proficient bloomer. Colors, red, orange and yellow. 15 to 18 in. 75c to \$1.00

Azalea

NATIVE—White or light pink. 15 to 18 in. \$1.00

Berberry

PURPLE LEAVED—Having purple foliage, very pretty. Clump 25c each

Currant

FLOWERING—Graceful flowers and berries red. Desirable for shady spots. 3 to 4 ft, 50c

Calycanthus—Floridus

Flowers reddish brown, sweet scented. Leaves broad, dark green. 2 to 3 feet 50c; per 10 \$3.50

Nandina

DOMESTICA RED—Red coral-like berries in graceful panacles ripening about Christmas—hardy evergreen. Foliage, red at first and green at maturity; turning Coppery red in winter. 2 to 3 feet, each \$1.00

DOMESTICA WHITE—2 to 3 feet, each \$1.00

Deutzia

PRIDE OF ROCHESTER—Double white. 3 to 4 feet 50c; 4 to 6 feet 65c; 6 to 8 feet 75c

Elder

GOLDEN LEAVED—Foliage retains its bright golden color through summer. 4 to 6 ft. 75c

Euonymus

EUROPEAN—Strawberry or Spindle Tree—A small tree bearing medium sized scarlet berries. 4 to 5 feet 50c

Filbert

PURPLE LEAVED—Leaves and husks purple—very ornamental. Nuts good. 3 to 4 feet 75c

Forsythia (Golden Bell)

Most common; deep green foliage. Fine in partial shade. 3 to 4 feet 50c

Honeysuckle

BUSH—Very beautiful. 3 to 4 feet 50c. For others, see vines.

Our **DIAMOND LAWN GRASS** makes an Evergreen, Velvety, Turf

Deciduous Shrubs--Continued

Hydrangea

PANICULATA GRANDIFLORA—Flowers from July to November, bears immense panicles of bloom, a foot or more in length; creamy white, pink flush. Prune back in early spring, about half of previous year's growth. Hardy everywhere; good for cemetery planting.

2 to 3 feet, each 25c to 50c; 3 to 4 feet 75c
Tree shaped, each \$1.00

Kerria

JAPONICA—The double yellow globe flower. Blooms during early summer. 3 to 4 feet 50c

Mock Orange (Philadelphus)

GRANDIFLORA—Flowers large. Slender twig habit. 3 to 4 feet, each 50c; 10 \$4.00

Lilacs—Syringa Vulgaris

COMMON PURPLE—Very fragrant, an old favorite. 3 to 4 feet 50c; 10 \$4.50

COMMON WHITE—Same as above, flowers white. 3 to 4 feet 50c; 10 \$4.50

CHAS. X (Single)—A strong rapid grower; trusses large and loose, color reddish purple.

MARIE LE GRAYE (Single)—Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER (Double)—Pale lilac.

PRES. GREVY (Double)—Magnificent, beautiful blue panicles; very large.

LUDWIG SPAETH (Single)—Very fine; trusses large; deep purple.

MME. LEMOINE (Double)—White color; fine for winter forcing.

PRES. CARNOT (Double)—Fine, lavender, with white center, late flowering.

GRAFTED STANDARDS 6 feet, each \$1.25

CHOICE PLANTS 3 to 4 feet, each 75c

Quince Flowering (See page 27)

Snowball

JAPANESE—Flowers pure white, delicate large globular heads, in May. 2 to 3 feet 75c

COMMON—Flowers globular, pure white, in May. 3 to 4 feet, each 50c; 10 \$4.00

Smoke Tree

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke.

3 to 4 feet, 75c to \$1.00

Tamarix

JUNIPERINA—Ornamental tree with soft, Juniper-like leaves, pink flowers. 3 to 4 ft \$1.00

Thuja

SUARROSA—Fine-leaved lawn plant. Grows large; foliage compact. 2 to 3 feet, ea. \$1.50

Spiraeas

ANTHONY WATERER—Blooms about the close of June; flowers red. Clumps, each 75c

BILLARDI—Produces fine, rose-colored flowers, blooms nearly all summer. Clumps, each 60c

PRUNIFOLIA, BRIDAL WREATH—The pretty double white flowers usually expanding about May 1. Clumps, each 75c

THUNBERGII—Branches slender and somewhat drooping; foliage yellowish-green; flowers small, white, appear early. Clumps, ea. \$1.00

VAN HOUTTE—The grandest of all the Spiraeas. When in flower it is a complete fountain of white bloom, the foliage hardly showing; hardy and an early bloomer. 2 to 3 feet 60c to 75c

Weigelia

CANDIDA—Flowers white, bush tall. 75c

ROSEA—Flowers light pink, shrub compact. 75c

EVA RATHKE—Flowers red, one of the best. Slightly dwarf. 75c

VARIEGATED—Leaves become silver white. 75c

DECIDUOUS TREES

SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet off the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

Ash

AMERICAN WHITE—Broad, round head and dense foliage. Very fine. Each 60c; 10, \$5.00

Basswood (See Linden)

Beech

PURPLE LEAVED—Foliage is deep purple in the spring, changing to crimson in the fall.

5 to 6 feet, each \$2.00; 6 to 8 feet \$3.00

AMERICAN—The nut-bearing beech.

Each 75c; 10, \$6.00

FERN LEAVED—Shrub-like and very beautiful for the lawn. 7 ft. Ea. \$1.50; 10, \$12.50

*Birch

EUROPEAN WHITE—Silvery white bark and slender drooping branches. Ea. 75c; 10, \$6.50

CUT LEAVED—Delicately cut foliage, silvery white bark and drooping branches. 5-6 feet.

Each \$1.50; 10, \$12.50

Catalpa

Splendid trees, white flowers, bright foliage.

CATALPA BUNGEI—Forms a dense, round, umbrella-like head. Each \$1.50

***CATALPA WESTERN (Speciosa)**—Very rapid grower, fine as a quick shade. Each 75c

Deciduous Trees--Continued

Crab-Flowering

BECHTELS—Fragrant pink flowers. In appearance a tree of roses. **3 to 4 feet, each 75c**

Dogwood—Cornus Florida

WHITE FLOWERING—Flowers white, 3 in. in diameter, blooming before leaves come in spring. **Price, 4 to 5 ft., each 60c; 10, \$5.00**

*Elm

AMERICAN WHITE—A magnificent tree with drooping branches. **Each 75c; 10, \$6.50**

***CORK BARK**—Desirable for street planting. Young branches very corky. **Ea. 50c; 10, \$4.50**

PURPLE LEAVED—Leaves rich purple when young. **Each \$1.75**

Fringe Tree

Small; foliage dark green; bunches of pure white flowers in May. **4 to 6 feet \$1.00**

Hawthorne

DOUBLE SCARLET—Small tree, spreading branches, crimson flowers. **Each 75c to \$1.50**

DOUBLE WHITE—Flowers small, leaves lustrous green color. 5 to 9 feet. **Each 75c to \$1.50**

Horse Chestnut

***WHITE**—Foliage showy, flowers stand in upright panicles. **Each \$1.00 to \$1.50**

***RED**—Same flower as above; flowers red. **Each \$1.00 to \$1.50**

*Laburnum (Golden Chain)

Small growing tree, with long, drooping racemes of fragrant yellow flowers.

5 to 6 feet, each 75c

Larch

Tree native, rapid growing. **Each 75c; 10, \$6.50**

Linden

AMERICAN—Shapely and handsome, foliage large. **Each \$1.00; 10, \$8.50**

EUROPEAN—Similar to American, leaf smaller. **Fine. \$1.25**

Liriodendron—(See Tulip Tree)

Locust

***BLACK**—Rapid grower. **Each 75c; 10, \$6.50**

HONEY—Rapid grower, a drought resister; fine for hedge or wind-break. **Ea. 75c; 10, \$6.50**

MAGNOLIA—Acuminata, Cucumber Tree. Tall, pyramidal tree, showy leaves and yellowish white flowers. **Each \$1.50; 10, \$12.50**

*Mountain Ash

Foliage orange-red in fall. Red berries remain on tree most of winter. **Each 75c; 10, \$6.50**

EUROPEAN—White flowers, then beautiful red berries. 6 to 8 feet. **Each 75c; 10, \$6.50**

Mulberry

DOWNING'S EVERBEARING—Rapid grower with good fruit. 4 to 6 ft. **Each 75c; 10, \$6.50**

***RUSSIAN**—Of spreading habit and rapid growth. 4 to 6 feet. **Each 75c; 10, \$6.50**

Maple

ASH-LEAVED (Box Elder)—Rapid grower, fine street tree, foliage ash-like. **Ea. \$1.00; 10, \$8.50**

VARIEGATED ASH-LEAVED MAPLE—Fine for lawn or street plantings. **Each \$1.00**

***Oregon Soft**—A rapid grower. Leaves large. 6 to 8 ft. **50c to 60c; 8 to 10 ft. 75c to \$1.00**

***SYCAMORE**—Tree large and spreading with handsome foliage.

6 to 8 ft. 50c to 60c; 8 to 10 ft. 75c to \$1.00

SILVER—A rapid grower, graceful and very beautiful; leaves silvery.

6 to 8 ft. 50c to 60c; 8 to 10 ft. 75c to \$1.00

***NORWAY**—Large, growth compact; foliage deep green. Handsome.

6 to 8 ft. 50c to 60c; 8 to 10 feet 75c to \$1.00

PURPLE LEAF SYCAMORE—Purplish green foliage, sycamore-like.

6 to 8 feet, 50c to 60c; 8 to 10 ft. 75c to \$1.00

SUGAR OR HARD—A rapid grower and a shapely tree with beautiful autumnal coloring.

6 to 8 feet 50c to 60c; 8 to 10 feet 75c to \$1.00

Oak

ENGLISH—Low growing, spreading habit and rapid growth. **Each 75c; 10, \$6.50**

SCARLET—Pyramidal shape, foliage changes to bright red in fall. **Each 75c; 10, \$6.50**

Peach—Flowering

Blooms in April, flowers highly colored and very attractive. **Each 4 to 6 feet 50c; 10, \$4.00**

Persimmon

AMERICAN—Handsome tree with dense green foliage. Small fruit. 4 ft. **Each 50c**

Poplar

***CAROLINA**—A very rapid grower. 6 to 8 feet. **Each 60c; 10, \$5.00**

Prunus Pissardi

Foliage and fruit entirely red. Plums very good quality. **Each \$1.00; 4 to 6 feet 75c**

Rhus Succedanea

Wax or Tallow Tree—Poisonous. Leaves turn beautiful red in autumn. Flowers, yellow. Fruit, large white; seeds produce wax. 1 to 2 ft. **Each 75c**

Rhus Vernicifera

Varnish or Lacquer Tree—Poisonous. Pinnate leaves turn brown in autumn. 1 to 2 ft. **Ea. 75c**

WALNUT—(See Nut Trees)

Sycamore

AMERICAN—Has broad foliage and handsome bark. **4 to 6 feet 75c; 10, \$6.50**

EUROPEAN—Erect growing tree with mottled trunk. Foliage bright green. **Ea. 75c; 10, \$6.50**

Tulip Tree

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped.

Each 6 to 9 feet 75c to \$1.00

Weeping Trees

Ash

EUROPEAN WEEPING—Splendid arbor tree.
Each \$1.25; 10, \$11.00

Elm

CAMPERDOWN WEEPING—Vigorous
branches, forming a roof-like head.
Each \$1.50; 10, \$12.50

Maple

WIER'S CUT-LEAVED—Very handsome with
cut foliage. 6 to 8 feet \$1.50

Mulberry

TEA'S WEEPING—Branches long and slender
drooping parallel to trunk. Ea. \$1.50; 10, \$12.50

Weeping Willow

KILMARNOCK—A distinct variety, having
reddish shoots and large, glossy foliage.

6 feet and 2-year heads, each \$1.00 to \$1.50

WISCONSIN—Large, glossy leaves and very
pendulous habit. Each 75c; 10, \$6.50

BABYLONICA or COMMON—Well known
common willow. 5 to 6 feet, each 60c

JAPANESE ORNAMENTALS

Aucuba

JAPONICA—Japan evergreen, with shining
foliage and red berries. Each 75c to \$1.00

JAPONICA VARIEGATA—Green and yellow
foliage; very showy. Large plants for imme-
diate effect. Each \$1.50 to \$2.50

Bamboo

Ornamental plant, with almost evergreen foliage.
We have four varieties, all hardy. Strong
clumps, 3 to 6 feet. Each 75c to \$1.50

Berberry—(Japanese)

B. THUNBERGII—From Japan. Dwarf habit;
foliage changes to a beautiful red in autumn;
good hedge plant. 2 to 3 ft., each 60c to 75c

Cryptomeria

One of the finest evergreens of Japan; of both
upright and drooping habit. Foliage mostly
needle-like; end of branches soft and flexible.

1 to 2 feet, each \$1.00 to \$2.50

Daphne

ODORA—Pretty early flowering shrub, pro-
ducing pink flowers in March. 2 feet, ea. \$1.00

ALBA—Pure white. 2 feet, each \$1.00

Hydrangea

HORTENSIS BLUE—Very fine Japanese vari-
ety for potting and porch decoration; large
flowers, rosy blue to light blue, according to
the soil. Strong clumps, each 75c

HORTENSIS, PINK—Pure pink. Each 75c

Magnolia

SALICIFOLIA—Pure white flowers. It emits a
sweet aromatic scent from the flowers, stems
and leaves; very hardy. Each \$1.50 to \$2.00

CONSPICUA—A Chinese species of medium
size, shrub-like in growth while young, but
attains the size of a tree in time. Flowers
large, pure white. 2 feet, each \$1.00
3 feet, each \$1.50 to \$2.00

OBOVATA—Exterior petals purple, veined with
deeper color, white center. Ea. \$1.00 to \$1.50

GRANDIFLORA—See page 29.

Syringa

JAPONICA—Japan tree lilac, growing to a
height of 30 feet; blooms late in June, bearing
large pannicles of showy white flowers. Ea. 75c

Maple (Japanese)

ATRO-PURPUREUM—Large palmate leaves;
deep rich maroon color.

ATRO-PURPUREUM VAR—Bright crimson;
deep maroon markings.

ATRO-DISSECTUM—Deeply fringed thread-
like green leaflets; drooping habit.

OSAKA-ZUKI—Large leaved, palmate, bright
maroon changing in Autumn to blood red.

NISHIKIGASANE—Palmate green foliage, with
yellow variegations.

WASHINO-O—Long, thread-like leaflets deeply
serrated,

Select well rooted stock. Ea. 75c to \$1.50

Persimmon

JAPANESE—Highly prized for its delicious
fruit. Fruit large and oblong; color bright red;
ripens early in the fall. 4 ft., each 60c to 75c

Prunus

Hardy, rapid growers, producing early in the
spring a profusion of handsome flowers.

PRUNUS MUME—Flowering Plum. Double
White or Red. 3 feet up, each 75c to \$1.00

PRUNUS CERASUS—Handsome Flowering
Japanese Cherry. 3 feet up, each 75c to \$1.00

Kofugen—Double pink, very striking variety.

Okumiyako—Semi-double deep pink; late
flowering variety.

Ukon—Greenish-yellow flower. Very rare sort.

Sekizan—Deep pink. Very showy.

PRUNUS PISSARDI—Flowering Plum. Wood
and leaves dark purple. 3 ft., ea. 75c to \$1.00

Quince

JAPONICA (Japan Flowering)—Blossoms
vary from the richest scarlet to the most deli-
cate blush color; the fruit is deliciously fra-
grant, but not edible. 2 to 3 ft., each 60c to 75c

ALBA—A very beautiful variety, with delicate,
white and blush flowers. 3 to 4 ft. 75c to \$1.00

Sciadopitys Verticillata

“UMBRELLA PINE”—The leaves are narrow,
round and arranged in whorls of umbrella-like
tufts; is especially adapted for porch or lawn
decoration. 2 feet each \$1.50

NUT TREES

WALNUTS are a sure and profitable crop on the Pacific Coast, and we also urge their planting for shade and ornamental purposes. They grow rapidly, are free from pests, and are handsome and lasting. Only grafted trees should be planted as they yield heavier, the nuts are of better quality, and more uniform.

Grafted Walnuts

We offer a splendid strain of Franquettes, the best variety for this section, grafted on four-year California Black Walnut—sturdy, thrifty trees with big fibrous roots. Samples can be seen at our store.

PRICES: 4 to 5 feet, each \$1.50; 6 to 8 feet, each \$2.00.

Mayette variety—grafted—same price.

 Write for special prices in large lots.

Seedling Walnuts

FRANQUETTE AND MAYETTE—Second generation, soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES—One-year-old, well-rooted, Each 25c; 10, \$2.00; Two-year-old, well rooted, tops 2 ft. up, 40c; 4 to 6 feet, each 75c; 6 to 8 feet, 75c to \$1.00.

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. 4 to 5 feet, each 50c to 75c

Filberts

BARCELONA—Magnificent large nut from Spain, first quality. Each 35c to 50c
DU CHILLY—The largest Filbert on Pacific Coast. Each 35c to 50c

Almond (*Nut Bearing*)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties. Choice trees 3 to 5 feet 50c

Chestnut

AMERICAN SWEET—Makes a handsome shade tree; full medium size, sweet and well flavored. 7 to 8 feet, each 75c to \$1.00
SPANISH—Forms handsome lawn tree and produces much larger fruit than the American variety. 4 to 6 feet, each 75c; 7 to 8 ft. \$1.00
MAMMOTH JAPANESE—Imported; yields largest and best nuts. Each 75c to \$1.00
PARAGON—Nuts large and handsome, sweet and good quality. 4 to 6 ft., each 75c to \$1.00

EVERGREEN SHRUBS

Abelia

A low-growing shrub, producing white-tinted lilac, heather-like flowers during the summer and fall months. Beautiful glossy foliage, requires some protection in severe climates. 50c to \$1.00

Broom

SCOTCH—Branches drooping, covered in spring with bright yellow flowers. 3 to 4 feet 50c
WHITE FLOWERING—Same as Scotch; flowers white. 3 to 4 feet 75c
SPANISH—Upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer. 3 to 4 feet 75c

Cotoneaster

Splendid for low walls, rock work, terraces, etc. Foliage is small, of a rich green, and in the Fall the plants are covered with bright red berries that remain for a long period. We offer three varieties: Choice Plants, 50 to 75c ea.

HORIZONTALIS—Branches nearly horizontal, bearing brilliant red berries during Autumn and Winter. Small pinkish white flowers.

MICROPHYLLA—More slender, with smaller leaves and branches, than Horizontalis.

SIMONSI—Of upright growth with small leaves; pink-white flowers and bright red fruit.

Euonymus

JAPONICA—Dense, upright; leaves dark green (hedge). 2 to 3 feet 50c

VARIEGATED—Gold and silver. 2 to 3 feet 50c

Lauristinus

Many white flowers in winter; fine hedge. 2 to 3 feet, each 75c

Laurel

PORTUGAL—Dwarfish, leaves dark green, flowers very sweet. 2 to 3 feet \$1.25; 10, \$10.00
ENGLISH—Leaves broad, flowers in clusters, creamy white. Purple berries. 2 to 3 ft. \$1.00

Mahonia—Aquifolia

OREGON GRAPE—Shining, purple, prickly leaves; bright yellow flowers; berries blue-black. 2 to 3 feet 75c (Balled)

Privet (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning.

1-year-old plants, 12 inches, each 5c; 50, \$1.75; 100, \$3.00

2-year-old plants, 1½ to 2 feet, each 10c; 50 \$3.50; 100, \$6.00

Rhododendron

GRAFTED VARIETIES—Magnificent, June and July flowering shrubs, preferring a somewhat shady situation. There are many varieties producing the following colors: White, blue, purple, cherry, lilac, mauve and crimson. Choice plants, 1½ to 2 feet and according to number of buds, \$1.50 to \$3.00

PONTICUM—Flowers purple, often spotted on the upper lobe. Each \$1.50

EVERGREEN TREES

Araucaria

IMBRICATA (MONKEY PUZZLE)—A fine tree of regular pyramidal form; leaves bright green, overlapping each other. **2 to 3 ft. \$2.00**

Arborvitae

***AMERICAN**—Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. **2 to 3 feet 75c**

GOLDEN—Elegant; habit regular; foliage tinged with gold in spring. **2 to 3 feet \$1.50**

WEeping—Weeping variety; foliage light yellowish green. **2 to 3 feet \$1.50**

AMERICAN VARIEGATED PYRAMIDAL—Foliage dark green. **2 to 3 feet \$1.00 to \$1.50**

ORIENTAL—Close ascending branches of a fan shaped appearance. **2 to 3 ft. \$1.00 to \$1.50**

RED CEDAR—Native, with striking from and beautiful color. **2 to 3 feet 60c; 10, \$5.00**

Box

BALL SHAPED, 10 to 15 in. Ea. **\$1.50 to \$3.50**

PYRAMID **4** to **4½ feet**, each **\$5.00**

" **3** to **3½ feet**, each **3.50**

" **2½ to 3 feet**, each **2.50**

LOW STANDARD—Heads 12 to 18 inches in diameter. **\$2.00 up**

BOX PLANTS FOR HEDGES AND BORDERS—6 inch and up **\$5.00 per hundred up. 10 to 15 inches**, each **25c; 100, \$20.00**

Cedrus

DEODORA (Himalayan or Indian Cedar)—Branches drooping; foliage silvery green. Very popular. Vigorous grower. **2 to 3 ft. \$1.50**

DEODORA VARIEGATA (Variegated Cedar)—A fine tree, same as Deodora with silvery white tipped foliage. **2 to 3 feet \$2.00**

Cypress

***LAWSON'S**—Branches horizontal; foliage dark green. **2 to 3 feet \$1.25; 10, \$10.00**

LAWSON BLUE—Of slender habit with silvery foliage. **1½ to 2 feet \$1.00**

ALLUMII—Bright blue. **Each \$1.00**

LAWSONIANA DARLYENSSI—A strong grower; color a fine bright yellow. **Each \$1.50**

WESSELLI—Pyramidal and compact; strong growth; color a fine blue. **Each \$1.50**

WESTERMANNII—Same as Wessellii though more pendulous and drooping. **Each \$1.50**

TRIUMPH OF BOOSKOOP—Strong grower; one of the bluest conifers. **Each \$1.00**

Fir

AMERICAN BALSAM—Prized for its delightful aroma. **1½ to 2 feet \$1.25**

EUROPEAN—Splendid; branches spreading, foliage broad and silvery. **2 to 3 feet \$1.25**

NORDMAN'S—Lustrous, deep green foliage; very symmetrical. **1 to 1½ feet \$1.25**

WHITE—A fine spruce; rapid growth; very hardy. Very attractive. **1½ to 2 feet \$1.50**

Hemlock

AMERICAN—Branches pendant and foliage deep green. **2 to 3 feet 75c; 10, \$6.50**

Holly—(*Ilex*)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices.

ENGLISH (Aquifolia)—Prickly, dark green foliage; grows moderately fast, covered during the winter months with bright red berries. Prices: Berry-bearing trees, per foot, **\$1.00**; nice trees, **\$2.50 to \$6.00**; ordinary stock, per foot, **75c**; nice trees **\$1.50 to \$3.00**.

Variegated Hollies

Remarkably handsome lawn plants. The leaves are variously marked with yellow or white.

GOLDEN MARGINED—Leaves splashed with pale green; narrow, but irregular; golden edge. **Per foot \$1.00 to \$1.50**

SILVER MARGINED—Leaves long, dark green, slightly mottled, and with an irregular, narrow silvery margin. **Per foot \$1.00 to \$1.50**

LARGE SPECIMEN HOLLY TREES

can be furnished with or without berries. Prices and sizes on request.

Juniper

IRISH—Pyramidal in form, foliage silvery gray; very striking. **1½ to 2 feet \$1.00**

SWEDISH—Similar to Irish, upright; one of the best. **1½ to 2 feet \$1.00**

COMMUNIS PFUTZERIANA—Graceful green foliage, horizontal branches, beautiful trailing evergreen. **4 to 6 ft., each \$3.00; pair \$5.00**

CANADENSIS REVESIANA—Same as Pfutzeriana though taller and straight. **4 to 6 feet, each \$3.00; pair \$5.00**

THUJA OCCIDENTALIS HOVEYI—Clear green color; slow growing. **Each \$1.50**

Magnolia Grandiflora

Choice well budded trees. **2½ to 4 feet, each \$1.00 to \$2.00; specimens, each \$3.00 to \$5.00**

Pine

AUSTRIAN—Splendid for seashore planting; growth rapid; quite hardy. **2 to 3 feet \$1.00**

SCOTCH—Robust growth; branches pendulous; leaves bluish green. **3 to 4 feet 75c; 10, \$6.50**

Spruce

***NORWAY**—A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. **2 to 3 feet \$1.25**

NORWAY VARIEGATED GOLDEN—Foliage golden yellow, vigorous. **2 to 3 feet \$2.00**

COLORADO BLUE—The most beautiful of spruces; foliage silvery blue. **1½ to 2 ft. \$2.50**

DOUGLAS—Somewhat similar to our hemlock; rapid grower. **2 to 3 feet \$1.50**

Yew

ENGLISH—Slow growth, densely branched, head spreading, dark green leaves. **2 to 3 feet \$1.00**

IRISH—Upright, deep, dark green foliage. **2 to 3 feet \$1.50**

VARIEGATED—Same as Irish, but with part of foliage striped and margined with silvery white. **2 to 3 feet \$1.50**

Fruit Trees, Berry Bushes, Plants

IN THE PURCHASE of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

KEEPING TREES OVER WINTER FOR SPRING PLANTING—This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

✎ If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

APPLES

✎ **This is the year to plant Apple trees.** Stocks were never better and **prices are very low.** The standards of production and markets are well established, making an apple orchard a safe investment. Write for quotations on large orders.

Prices, except where noted:

| | Each | Per 10 | Per 100 | Per 1000 |
|-------------------------------|--------|--------|---------|----------|
| First Grade, 2 yr..... | \$0.25 | \$2.25 | \$20.00 | \$175.00 |
| First Grade, 4 to 6 feet..... | .25 | 2.00 | 17.50 | 150.00 |

Winter Varieties

✓ **Arkansas Black**—Yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained and juicy; a long keeper. Dec. to Apr.

✓ **Arkansas Beauty**—A rich sub-acid of finest quality. Keeps till March.

✓ **Baldwin**—Deep, bright red; very productive; crisp; one of the best winter apples. Nov. to Feb.

✓ **Ben Davis**—Yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; Oct. to Jan.

✓ **Bismarck**—Fruit large, handsome, yellowish sometimes shaded red cheek; tender, sub-acid; seldom fails to bear when two years old. Sept.

✓ **Clayton**—Large, yellow, striped red. Very productive. Dec. to January.

✓ **Delicious**—A splendid apple. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

✓ **Gano**—Fruit is a bright red on yellow ground, oblong, smooth. Fine keeper. Nov. to Apr.

✓ **Grimes Golden**—Rich golden yellow; flesh tender and juicy. Tree hardy and vigorous. Nov. to December.

✓ **Hyde's King of the West**—Large to very large; handsome yellowish green; good quality; remarkable keeper. November.

✓ **Jonathan**—Early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollinizer with Spitzenberg and Newtown. Oct. to January.

✓ **King**—Large, good, striped red and yellow; tree vigorous; good mountinous apple; Nov. to Dec.

✓ **King David**—A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

✓ **Lady Apple**—Dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

✓ **Lawver**—(Delaware Red). Mild sub-acid, very heavy and hard; dark red; late keeper; Dec. to May.

✓ **Mammoth Black Twig**—Very large; bright red, sub-acid; fine late keeper; fine, vigorous tree. Nov. to Jan.

✓ **McIntosh Red**—A seedling of the Fameuse; bright red, tender and delicious. Nov.

✓ **Multnomah (New)**—A hybrid between the American Pippin and Rome Beauty. Red striped yellow; flesh white and fine; sub-acid extra long keeper and in its prime from February to June.

✓ **Northern Spy**—Large, greenish yellow, stripes of purplish red; flesh white, juicy, sub-acid.

✓ **Ontario**—A cross between Wagener and Northern Spy. Fruit large to very large; sub-acid.

✓ **Opalescent**—Color light, shaded to a very dark crimson; skin smooth; flesh yellowish, tender, juicy.

✓ **Ortley, or White Belleflower**—White fleshed, fine grained conical fruit of superior flavor; one of the best. Dec. to Apr.

✓ **Red Cheek Pippin**—Sub-acid; yellowish-green color; red cheek; large size; good bearer. Keeps till March.

- Rhode Island Greening**—Large, greenish yellow; flesh yellow; tender and crisp. October.
- Rome Beauty**—Yellow, shaded with bright red; juicy sub-acid; fine market sort; good bearer. Nov. to Feb.
- Roxbury Russet**—Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. Oct. to January.
- Salom**—Early and annual bearer; very hardy; fruit medium and uniform; quality good. Nov.
- Spitzenberg**—Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. Nov. to March.
- Stark**—Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; long keeper. Dec. to March.
- Stayman Winesap**—A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy; sub-acid. Jan. to May.
- Talman's Sweet**—Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous; productive. Nov. to Apr.
- Wagener**—Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid. Oct. to Dec.
- Winesap**—Yellow streaked with red; flesh yellow; rich flavor; excellent for cider. Dec. to Apr.
- Wealthy**—Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy. October.
- Winter Banana**—Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and suggestive banana flavor. Not a good shipper. Nov.
- Winterstein**—Flesh yellowish, tender, rich, spicy, sub-acid, highest quality, with a flavor all its own.
- Wolf River**—Greenish yellow shaded with dark and light red; strong grower; good bearer. Sept. to Nov.
- Yellow Belleflower**—Large, oblong, yellow, sometimes a blush in the sun; crisp, juicy, sub-acid; very productive. Oct. to January.
- Yellow Newtown Pippin**—Large; skin smooth, golden yellow; crisp, juicy; standard export variety. Dec. to May.

Summer Varieties

- Early Harvest**—Medium size; bright straw color; tender and fine; good for table and cooking. July.
- Golden Sweet**—Large, pale yellow; good for cooking; tender and rich; fine bearer. August.
- Gravenstein**—Large, beautifully dashed with deep red and orange; tender and crisp; aromatic flavor. August.
- Red June**—Medium, oblong, deep red; excellent for table use; one of the best early apples.
- Red Astrachan**—Large, deep crimson, moderately juicy, rich acid flavor; very productive. August.
- Yellow Transparent**—Medium size, roundish, slightly conical; skin pale yellow; juicy, sub-acid; bears young. July.

Autumn Varieties

- Rambo**—Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid. Sept. to Nov.
- Waxen**—Fruit medium; skin pale yellow; sharp acid; splendid for drying. October.
- Fall Pippin**—Yellowish green; good cooking apple. Sept.
- Fameuse**—(Snow Apple.) Medium size, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. Oct. to Dec.
- Maiden's Blush**—Medium yellow, with a very distinct red cheek on the sunny side; flesh white; sub-acid. Sept.
- Twenty Ounce**—Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. Oct.
- Golden Russet**—Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. Sept.
- Gloria Mundi**—Large green, fine sauce apple. Late Sept.

CRAB APPLES

Nice stocky trees, each 35c; per 10 \$2.50

- Florence**—Red striped; early good annual bearer, juicy and crisp; fine for home gardens. Sept. 1.
- Martha**—Glossy yellow, shaded to red; fine for cooking and fair for eating fresh. September.
- Transcendent**—Very large, good for cider; yellow striped red. Productive. Adapted to Montana. Sept.
- Hyslop**—Large, deep crimson; hardy. Nov. Jan.
- Red Siberian**—Yellow with scarlet cheek. Bears young and abundantly. September.
- Whitney No. 20**—Thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.
- Yellow Siberian**—Fruit small, fine golden yellow. Good. Aug.

DWARF FRUIT TREES

IDEAL for home gardens; come into bearing early. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring. Each 35c; 10, \$3.25; 100, \$30.00

- Dwarf Apples**—Baldwin, Jonathan, Yellow Transparent, Gravenstein, Wealthy, Bismarck, Rome Beauty, Red Astrachan.
- Dwarf Pears**—Bartlett, Fall Butter, Comice, Beurre de Anjou, L. B. de Jersey, Shelton.

APRICOTS

PRICES, except where noted:

| | Each | Per 10 | Per 100 | Per 1000 |
|--------------------------|--------|--------|---------|----------|
| First Grade, 4 to 6 feet | \$0.35 | \$2.50 | \$20.00 | \$175.00 |

Blenheim—Deep orange, sometimes blushed; tender and juicy. Good for Pacific Coast. June.

Hemskirke—Large, flesh bright orange; tender, plum-like flavor. July.

Moorpark—Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, August.

Royal—Above medium size; sweet, rich, juicy; good dryer and canner. July.

The Lewis—The largest, strongest growing, best yielding, best flavored apricot we have ever seen, perfectly hardy. Grown extensively in "Goodhoe Hills" district. July, Aug.

Tilton—Large; rich color, high flavor; very productive; similar to Royal; later. July.

CHERRIES

PRICES, except where noted:

| | Each | Per 10 | Per 100 |
|----------------------------------|--------|--------|---------|
| First Grade, 2 years | \$0.75 | \$6.00 | \$45.00 |
| First Grade, 1 year, 4 to 6 feet | 0.50 | 4.00 | 30.00 |

New—Abundance (Burbank production)—A seedling of Royal Ann, larger, handsomer, sweeter and more delicious than this great favorite; ripens a week later.

Price, each, 1 year, 4 to 6 ft. 75c; doz. \$8.00

New—The "Burbank"—A rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer.

4 to 6 feet—select trees, ea. 75c; doz. \$8.00

Bing—Fruit large, dark brown or black; very fine; late; a good shipping variety. July.

Black Republican (Lewelling)—Large size, black, sweet, with purplish flesh; late and a good shipper. June.

Kentish (Early Richmond)—Dark red, very juicy; one of the best sour cherries and unsurpassed for cooking. Mid-May.

Late Duke—Large, light red; sub-acid. Late July.

Lambert—Color deep, rich red; flesh firm and of fine flavor; a fine market variety. Mid-July.

May Duke—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent early variety.

Miller's Late—Resembles the Late Duke but is larger and later. August.

New Giant—Claimed to be equal to the Lambert, but is larger and later. Strong vigorous grower. Each \$1.00; large trees \$1.50

Oregon—Large, black, solid, free, vigorous and productive; a fine shipper. July.

Rochaline (New)—Larger and redder than the Royal Ann; better shipper and more prolific. July.

Royal Ann—(Napoleon Bigarreau)—Largest size; pale yellow, becoming amber in the shade and with a bright red cheek; flesh very firm, juicy and sweet; immense bearer. July 1.

PEARS

We can supply all Standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

50 at hundred rate—500 at thousand rate.

| | Each | Per 10 | Per 100 |
|----------------------------------|--------|--------|---------|
| First Grade, 2 Years | \$0.50 | \$4.00 | \$37.50 |
| First Grade, 1 year, 4 to 6 feet | .40 | 3.75 | 35.00 |

BARTLETT—Large; skin thin; juicy; highly flavored; best Summer pear existing. Aug., Sept.

BEURRE BOSE—Large, beautiful, russety; highly flavored; fine for shipping. September.

BEURRE CLAIRGEAU—Large, yellow, shaded orange and crimson; with russet dots; flesh yellowish; juicy. Sept.

BEURRE D'ANJOU—Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Comice—A splendid commercial variety, being of fine size; good appearance; ships well. Oct.

FALL BUTTER—A Fall favorite; yellow, sweet and juicy. Sept.

LOUISE BONNE DE JERSEY—Large, greenish yellow, brownish red in the sun, marked with gray dots; juicy, melting. Oct.

SECKEL—Rich and highly flavored; brownish green, russet brown cheek; buttery and melting. Sept., Oct.

Winter Varieties

BEURRE EASTER—Large, oval, yellow, with red cheek; excellent winter pear.

CROCKER BARTLETT (New)—Oblong, large, rich golden color. Juicy, sub-acid to sweet; very rich. Tree vigorous, so far unblighted. Oct. Price, each 50c; per 10, \$4.50

LINCOLN CORELESS—Practically coreless; very late. Fruit should be picked when green. Large, quality good. Good bearer.

ROOSEVELT (New)—Large, roundish. Juicy, melting; yellow clouded with salmon rose. Oct.

WINTER BARTLETT—Fruit large, closely resembling the famous Bartlett in flavor and appearance, but ripens later. Price, each 50c; per 10, \$4.50

WINTER NELIS—Medium; skin yellowish green; flesh yellowish white; fine grained, rich saccharine aromatic flavor. Dec.

PEACHES

| | Each | Per 10 | Per 100 | Per 1000 |
|--------------------------|--------|--------|---------|----------|
| First Grade, 4 to 6 feet | \$0.25 | \$2.00 | \$17.50 | \$150.00 |
| First Grade, 3 to 4 feet | .20 | 1.75 | 15.00 | 125.00 |

- ✓ **CHAMPION**—Large, cream white, slight blush. Tree hardy; should be in every orchard. July. Freestone.
- ✓ **CROSBY**—Medium; rich orange, slight red blush; freestone, pit small, sweet and juicy. Good shipper.
- ✓ **EARLY ALEXANDER**—One of the largest and best of the extra early varieties. Almost freestone. July.
- ✓ **EARLY CHARLOTTE**—Medium early, excellent flavor; freestone; hardy.
- ✓ **EARLY CRAWFORD**—Very large, yellow, red cheek; sweet and excellent; popular for table and canning; freestone. Aug.
- ✓ **ELBERTA**—Very large, bright yellow, red cheek; juicy, sweet; regular bearer; freestone. Late July.
- ✓ **FOSTER**—Large yellow, dark red on the sunny side; rich, juicy and early; freestone. Late July.
- ✓ **HEATH'S CLING**—One of the best of the clings. Large; creamy white, with slight red; flesh white. Sept.
- ✓ **KRUMMEL OCTOBER**—Good keeper. Very firm and fine; vigorous, hardy. Good for State of Washington. Freestone.
- ✓ **LATE CRAWFORD**—Very large; yellow, dark red cheeks; flesh deep yellow; juicy; rich and excellent; freestone; valuable for canning and drying. Sept.
- ✓ **MAYFLOWER**—Beautiful red all over; extremely early; tree hardy and healthy. Last of June. Freestone.
- ✓ **MUIR**—Large, pale yellow; very firm and sweet; best for drying; freestone. August.
- ✓ **SALWAY**—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet. Freestone. Late Sept.
- ✓ **TUSCAN CLING**—Very large; yellow, blushed red. Vigorous; strong grower. July, Aug.

PRUNES

IF you can—**Grow Prunes**—The demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

| PRICES, except where noted: (Special prices in 1000 lots) | Each | 10 | 100 |
|---|--------|--------|---------|
| First Grade, 2 Years | \$0.25 | \$2.25 | \$20.00 |
| First Grade, 1 Year, 4 to 5 feet | .20 | 1.75 | 15.00 |
| First Grade, 1 Year, 3 to 4 feet | .15 | 1.35 | 12.50 |

New--Prunlew

A cross between the Hungarian Prune and Bradshaw Plum. Produced by Mr. H. A. Lewis, one of Oregon's most successful growers. Prunlew is ten days earlier than Bradshaw, color a little lighter than Hungarian. Fruit medium to large, firm and stands handling and shipping, and the golden flesh has a rich, delicious prune flavor. Prunlew has been favorably reported by the United States Department of Agriculture.

Select trees, 4 to 6 feet, each \$2.00

- ✓ **GIANT**—Largest prune known; fruit averaging 1½ to 2 ounces each; excellent quality.
- ✓ **HUNGARIAN**—Very large; dark red, juicy and sweet; good shipper. August.
- ✓ **ITALIAN—Felleberg**—Dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.
- ✓ **PETITE—French**—Medium; violet purple; sweet, rich and sugary; fine for drying. Aug.
- ✓ **SILVER**—Seedling of the Coe's Golden Drop; excellent for drying or canning. September.
- ✓ **SUGAR—New**—Fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.
- ✓ **NEW STANDARD**—(Burbank production)—Trees large; enormous yield; sweet, fine-grained and delicious; perfect free stone; skin purple. Price, each 50c; 100, \$35.00

PLUMS

| PRICES except where noted: | Each | Per 10 |
|---------------------------------|--------|--------|
| First Grade, 2 years | \$0.35 | \$3.00 |
| First Grade, 1 year, 4 to 6 ft. | .25 | 2.00 |

- ✓ **ABUNDANCE**—Fruit large; bright cherry; flesh light yellow; juicy, sweet; freestone. June.
- ✓ **BRADSHAW**—Reddish purple, juicy and pleasant; adheres partially to the stone. July.
- ✓ **BURBANK**—Medium; cherry red, with lilac bloom; flesh yellow; bears young. Late June.
- ✓ **COLUMBIA**—Largest size, nearly globular; brownish purple; rich, sugary, freestone. Aug.
- ✓ **DAMSON**—Small oval, blush purple; flesh melting, rather tart. Tree fruitful and hardy. Aug.
- ✓ **DAMSON—Shropshire**—Medium size, dark purple; flesh greenish, juicy and rich. Late Sept.
- ✓ **GREEN GAGE**—Small round; flesh pale green, melting and juicy; freestone. Mid-July.
- ✓ **MAYNARD**—Dull red, large, round, rich, sweet; quick-growing, heavy-yielding. July. Ea. \$1.00
- ✓ **PEACH**—Very large; skin brownish red, slightly coarse grained, but juicy; freestone. July.
- ✓ **SATSUMA—Blood Plum**—Large, dark red from skin to pit; firm and juicy. Early July.
- ✓ **WASHINGTON**—Large, dull yellow, pale crimson blush; firm and sweet; freestone. Early Aug.
- ✓ **YELLOW EGG**—Very large; skin of a deep golden color, rather acid; fine for cooking. Aug.

QUINCE

PRICES:
 Each 10
 First Grade, 2 Years \$0.50 \$4.00

APPLE OR ORANGE—Standard variety; early; large, golden yellow; good for preserving or flavoring. September.

CHAMPION—Large, yellow; cooks tender; delicious flavor; more productive than the Orange. October.

PINEAPPLE—The flavor is suggestive of the pineapple; fruit resembles the Orange quince; superior for jelly; can be eaten raw; delicious flavor. Sept.

NECTARINES

PRICES:
 Each 10
 4 to 6 ft. \$0.25 \$2.00

BOSTON—Large, deep yellow, bright blush; flesh yellow; rich and luscious. Best for Oregon. Aug. 1.

EARLY VIOLET—Medium; skin pale, shaded violet; flesh white; good. July.

GOULD SPRAYERS will give and maintain the necessary pressure to spray right. They are built for lasting service. See General Catalog.

GRAPES

PRICES, except where noted: Write for prices in quantity.
 Each 10 100
 2-year Plants, not prepaid \$0.15 \$1.40 \$12.00

CAMPBELL'S EARLY—Berries large, black, with light purple bloom; flesh, tender; rich, sweet, slightly vinous. Aug.

CONCORD—Large, black grape; bunches compact; berries round, sweet and pleasant. Aug.

DELAWARE—Grows freely; is perfectly hardy; ripens early; berries small, light red. August.

McPIKE (New)—Bunches large and compact; grapes uniform large, of a blue black, covered with bloom. Ripens evenly; hardy. Sept.

MOORE'S DIAMOND—Bunches large; berry greenish white, flesh juicy; almost without pulp.

MOORE'S EARLY—Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

NIAGARA—Berry large, uniform; skin thin but tough; pale yellow; flesh tender and sweet. Sept.

POCKLINGTON—Bunch and berry of good size; color a light lemon-yellow; sweet; productive. Sept.

WORDEN—Bunch very large and compact; berry large, black; an improved Concord. Late August.

Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices.

BUSH FRUITS

GOOSBERRIES

Prices except where noted. . . . Each 15c; per 10, \$1.00; per 100, \$8.00; per 1000, \$50.00.

Downing—Large, light green; soft juicy and good. Vigorous and very productive.

Houghton—Medium size, pale red, sweet and juicy. Abundant bearer.
 Each 15c; 10, \$1.25; 100, \$12.00

Industry—Very large, dark red, of delicious flavor; best English variety. Bushes strong, upright and very productive.
 Each 25c; 10, \$2.00; 100, \$17.50

Oregon Champion—Berries very large, pale green; sweet, fine; bush strong, prolific bearer.

Pearl—Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific.
 Each 15c; 10, \$1.25; 100, \$12.00

Red Jacket (Josselyn)—Large, smooth, prolific and hardy; best quality.
 Each 15c; 10, \$1.25; 100, \$12.00

CURRANTS

Currants are a profitable easily grown crop, and the market is always good.

PRICES, except where noted: Each 15c; 10 \$1.25; 100 \$7.00

New Varieties

Perfection—New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid.

Strong Plants, each 15c; 10, \$1.25; 100, \$10.00

Pomona—Splendid red variety; good keeper; record acreage yield. Later than Perfection.

Strong Plants, each 15c; 10, \$1.25; 100, \$10.00

Belle De Boskoop—New black currant excelling in quality and productiveness. A hardy, vigorous, grower. Each 15c; 10 for \$1.25

Standard Varieties

Black Naples—Very large, black, rich, tender; fine for jellies and wine. Productive, vigorous.

Cherry—Very large; deep red; fine for preserving; valuable market variety.

Fay's Prolific—Bright red, very sweet; fruit hangs on better than most varieties.

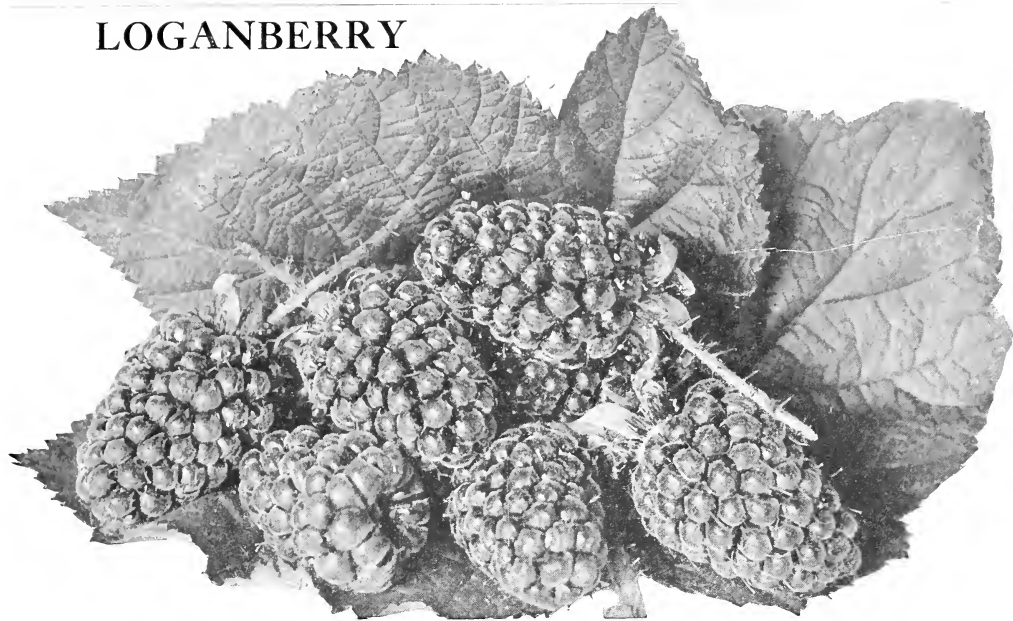
North Star—Strong growing red variety; bunches average four inches in length; extra quality.

Victoria—Large, bright red bunches; late, productive.

White Grape—Large, yellowish white, valuable for the table.

White Transparent—The best white currant known. Splendid market variety; rich flavor; mild sub-acid.

LOGANBERRY



The loganberry is generally larger than the blackberry, often an inch and a quarter long, color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Fruit ripens early; excellent for jelly or jam. June.

Large, well-rooted plants; Prices: Two-year-old 20c each; \$1.75 per doz., prepaid; by express or freight, \$1.50 per doz.; \$9.00 per 100.

Burbank's Phenomenal

Larger than the logan and a brighter crimson raspberry color. Sweeter than the loganberry. July 1st.

Prices: Two-year-old, 20c each; \$1.75 per doz., postpaid; by express or freight, \$1.50 per doz.; \$9.00 per 100.

Blackberries

Evergreen—An Oregon introduction; berries long, black, sweet, rich, delicious; July to Nov.

10 for \$1.00; 100 for \$8.00
Postpaid, each 15c; 10, \$1.25

Himalaya Giant—Strong grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm. Good producer even in a very dry season.

Postpaid, each 15c; doz. \$1.50
Frt. or Exp., doz. \$1.25; 100 \$8.00

Lawton—Fruit large; very productive; Oregon's most popular kind. Each 10c; 10, 60c; 100, \$5.00; postpaid, each 15c; 10, 75c.

New Mammoth—Rampant grower of trailing habit. Enormously productive and exceedingly early. Fruit very large; seeds small, cores small and soft; July 1.

Two-year-old, ea. 15c; doz., postpaid \$1.50; by express or freight, doz. \$1.25; 100 \$8.00.

Kittatiny—Large, glossy black, juicy, sweet, excellent when fully ripe. July. Each 10c; 10, 60c; 100, \$5.00. Postpaid, ea. 15c; 10, 75c.

Eldorado—Large, jet black, melting, sweet and rich; hardy and productive. Ea. 10c; 10, 90c; 100, \$7.00; postpaid, each 15c; 10, \$1.25

Raspberries—Red Caps

Prices except where noted: Not prepaid, 2 years—Ea. 15c; per 10, \$1.00; per 100, \$8.00

The Improved Superlative—Soft red crimson. Berry large and firm, with very small, brittle seeds. Vigorous, productive; rich, luscious flavor; earlier than Cuthbert. Good shipper. **Price: Ea. 15c; doz. \$1.50, postpaid; freight or express, 1 doz. \$1.25; 100, \$8.00.**

Cuthbert—Deep rich red, large and firm; one of the best market berries. Ripens medium to late.

Marlboro—Standard, light crimson, large, very firm; good commercial variety; ripens early.

Herbert—Splendid, large, bright red; strong grower; productive. **Each 15c; 10, \$1.25**

Raspberries—Black Caps

Prices except where noted: Not prepaid, each 15c; per 10, \$1.00; per 100, \$8.00.

Cumberland—Very large; similar to Gregg.

Kansas—Black. Similar to Gregg, ripening earlier. Good commercially; strong grower.

Mammoth—Black, good quality.

Munger—Black, good, juicy; fine for home use.

Gregg—Of good size, fine quality; very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

Plum Farmer—Large black, hardy and productive. Good quality.

Dewberry

Price, not prepaid, each 15c; per 10, \$1.25; per 100, \$8.00.

Lucretia—Fruit large, soft, sweet; no hard core. Hardy, good for this Coast. Last of May.

Gardenia—Large glossy black; delicious; heavy bearer; trailing vine. June.

STRAWBERRY PLANTS



DIAMOND Quality Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each. **They are grown from our select strains and are always true to name; no substitution is ever allowed** without instructions from the purchaser.

Our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest**, and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting.

NEW OREGON

Our Own Introduction

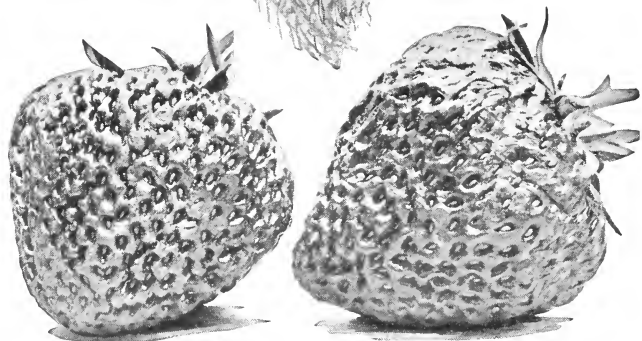
Best, Most Uniform and Heaviest Yielding Main Crop Strawberry

"NEW OREGON" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, "NEW OREGON" is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"NEW OREGON" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds

Big
Healthy
Well
Grown
Plants

Ask for
Free
Book,
"Straw-
berry
Culture"



up in size and quality throughout the season, which in some localities extends until frost.

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable.

FALL OR EVERBEARING STRAWBERRIES

The new varieties of Fall bearing Strawberries, also known as "Everbearing," are very satisfactory for home gardens and under some conditions will prove profitable commercially, but require special care and attention to secure best results as the late fruit will be small and yield less if the first blossoms are not removed, and the plants are allowed to fruit early and continuously. When properly grown they are of splendid quality and yield heavily until frost. We offer "Progressive" and "Superb."

Progressive

Rich, red color, firm and of delicious flavor. Good keepers and shippers. Blossoms should be cut back about 4 weeks before the berries are wanted. We consider this the best of its class.

Per doz. 50c; 25 plants 75c; 100 \$2.00 postpaid; by frt. or exp. \$1.75 per 100; \$15.00 per 1000

Superb

In our experience they do not ship as well nor yield as heavily as the "Progressive" although larger when properly grown, quality is fully equal to the best of the standard sorts.

Gold Dollar—Extra Early

No early strawberry we have ever known equals our special strain of "Gold Dollars." Gold Dollar berries are large size, dark red all through, and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest, and are always in demand.

Magoon

Berry large, fine and of excellent sub-acid flavor; bears heavily; especially adapted to Western Oregon and Washington.

Clark's Seedling

The berry that has made Hood River famous; best shipper, berries large, of delicious flavor; vines bear large crops; especially adapted to dry soil.

Wilson

A heavy bearer of fine, moderate-sized berries; sharp acid flavor and the leading sort for canning.

Marshall

Very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock of Marshalls is absolutely true, vigorous and prolific.

PRICE LIST OF PLANTS

| | By mail, postpaid | | F. O. B. Portland | |
|--------------------------|-------------------|--------|-------------------|--------|
| | Dozen | 100 | 100 | 1000 |
| Clark's Seedling..... | \$0.30 | \$1.00 | \$0.75 | \$5.00 |
| Gold Dollar..... | .30 | 1.00 | .75 | 5.00 |
| Magoon..... | .30 | 1.00 | .75 | 5.00 |
| Marshall..... | .30 | 1.00 | .75 | 5.00 |
| NEW OREGON—IMPROVED..... | .30 | 1.00 | .75 | 5.00 |
| Wilson..... | .30 | 1.00 | .75 | 5.00 |

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

BERRY BOXES AND CRATES—We can supply you with the best folding boxes and crates on the market at right prices, in any number from a thousand to carloads.
REMEMBER, SPRUCE LUMBER IS HIGH AND GOING UP. ORDER EARLY

ASPARAGUS ROOTS

ONE-YEAR-OLD PLANTS — Postpaid 25c doz; 75c per 50; \$1.00 per 100; by express or freight 20c dozen; 50c per 50; 75c per 100; \$6.00 per 1000.

TWO-YEAR-OLD PLANTS — Postpaid 40c per dozen; \$1.00 per 50; \$1.50 per 100; by express or freight 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

Hop Vines

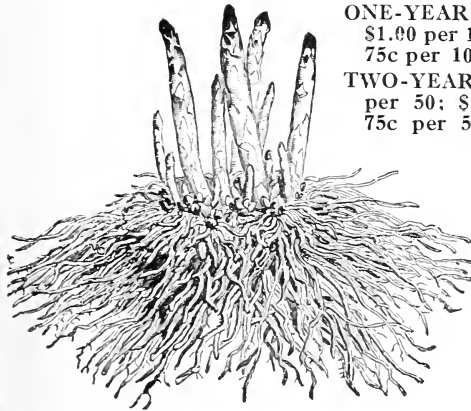
ENGLISH CLUSTER—The best sort. Strong roots, postpaid 5c each; 35c per dozen. By express 25c per dozen; \$1.50 per 100.

Write for prices if wanted by the 1000.

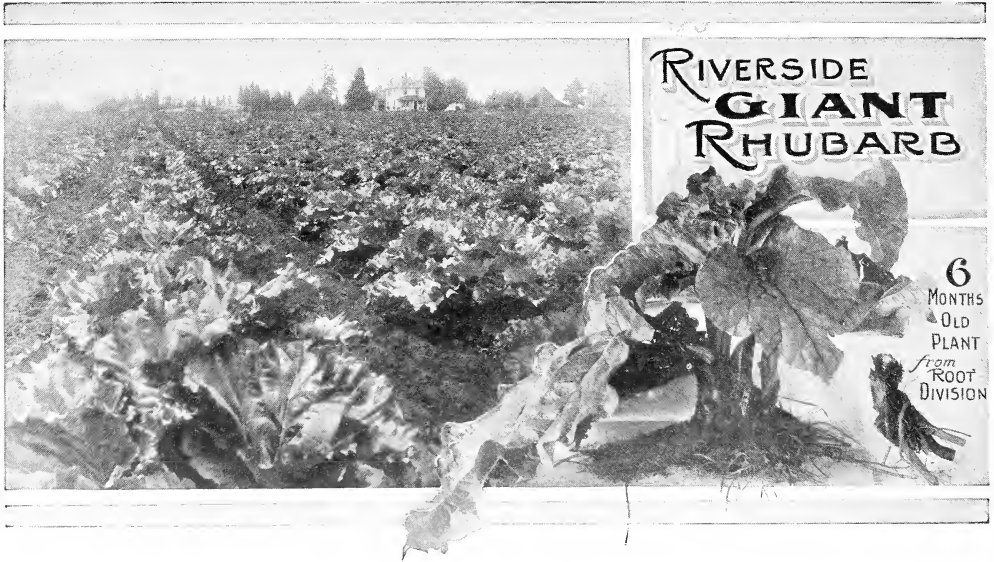
Horse Radish

Postpaid, 5c each; 35c per dozen. By express or freight, 25c per dozen; \$1.50 per 100.

Write for prices by the 1000.



For Planting Directions for Asparagus and Horseradish, see General Catalog




RIVERSIDE GIANT RHUBARB

No other variety of rhubarb is known to us that has the uniformity and fine coloring, the flavor the freedom from coarseness and stringiness, that has made Riverside Giant the leader, and we know of no other variety that has been produced in a large commercial way successfully.

RIVERSIDE GIANT is unequalled for yield and quality, being crisp, tender, free from stringiness, with a good color and a delicious, distinctive flavor. The skin is so thin that it disappears in cooking. Riverside Giant has every good quality of a commercial rhubarb and is so vigorous and productive that over thirty-five tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made, the last one in July. Four men in six hours have cut over five tons from less than one-half acre on the fourth cutting.

Two cars of Riverside Giant Rhubarb shipped to The Dalles for drying, proved to be the best variety for that purpose, containing more substance and not having a tough skin.

RIVERSIDE GIANT is not only the most productive and profitable hardy rhubarb, but is also the best yielding and finest in quality when forced of all forcing varieties. Full instructions and information on forcing will be sent on request.

 We have the exclusive sale of this wonderful rhubarb and offer root divisions from the original stock. Each root will make a thrifty plant if properly cared for.

PRICE—each 15c; dozen \$1.25; \$8.50 per hundred. **Special prices on large lots.**

Root divisions must be made from young healthy stock, cuttings from old roots will give poor returns

Victoria Mammoth—Standard Hardy Variety

ONE-YEAR-OLD ROOTS—Postpaid, 8c ea.; 75c per dozen. By express or freight, 50c per dozen; \$3.00 per 100.

TWO-YEAR-OLD ROOTS—Postpaid, 15c each; \$1.25 per dozen. By express or freight, 85c per dozen; \$6.00 per 100.

If wanted in larger quantities write for special prices.

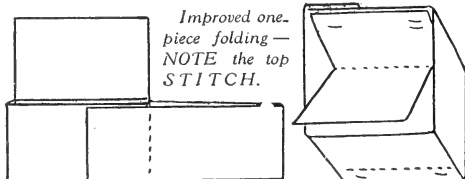
Wagner's Giant

A larger, heavier yielding variety than the Crimson Winter. Our stock is locally grown from root divisions only and will be found true and uniform. Does not run up as many seed stalks as the Crimson Winter and in our experience has proven better in every way.

Price, not prepaid: Root divisions, each 15c; \$1.25 doz.; \$8.00 per hundred.

Root Clumps, each 50c; \$4.00 per doz.

BERRY BOXES AND CRATES



New—One-Piece Folding Hallock

TOP STITCHING the one-piece bottom makes the box open up perfectly. No loss from misfits and breakage as with the old style, and the bottom never drops out. Compare this new box with any box on the market.

CRATES—Write us for prices on K. D. Crates, Folding Boxes, and the New Stapled Filled Crates

"CORONA" Arsenate of Lead

DRY POWDERED

Contains only ARSENIC and LEAD OXIDES. NO FILLERS

"CORONA" carries the highest possible percentage of arsenic oxide—33%—and is always uniform.

Mixes Quickly and Easily. Stays Mixed Longer and Sticks better to leaves, branches and fruit than Any Other Arsenate.

No sediment—No lumps—No waste—Never clogs nozzle



"CORONA" Dry Powdered Arsenate is a Light, Fluffy Powder that cannot freeze, dry out, cake or lose its strength—is always uniform and requires only 1 pound to 50 gallons of water. Efficient, Economical and Convenient. Highest Percentage of Killing Power.

PRICES: ½ lb. 30c. 1 lb. 50c; 5 lbs. \$2.35; 10 lbs. \$4.50; 25 lbs. \$10.25; 50 lbs. \$20.00; 100 lbs. \$39.00; 200 lbs. \$76.00

Caution Against Spraying when Trees are in Full Bloom

Spraying when trees are in bloom may destroy bees and other insects necessary to pollinate and these natural agents should not be interfered with as their work of transferring the pollen insures bountiful crops and shapley fruit.

Diamond Lime and Sulphur Solution

For San Jose Scale.

You can not afford to risk a cheap open kettle product. Be safe. Use the best.

Diamond Lime and Sulphur Solution is prepared in pressure tanks by steam, and is always uniform and of the highest efficiency tests 30 Baume. Scale, is made of the purest and best quality of Sublimed Sulphur and of Lime. is a clear, deep cherry colored liquid, free from sediment, and is all ready to mix just as you get it. Merely add 11 gallons of water with each gallon of the Lime and Sulphur Solution. There is no sediment to clog the sprayers. No boiling to be done, which saves fuel, time, labor and annoyance. It is always alike and uniform in strength and results.

Price, 1 qt., 25c; 1 gal., 75c; 5 gals., \$2.50; 50-gal. bbl., \$11.00.

Scalecide

The best miscible oil spray for San Jose scale and soft-bodied, sucking insects. Also contains a powerful fungicide, which will control fungus diseases that are controllable in the dormant season.

This assertion is not based on a single test on ten or a dozen trees, but on actual work in great commercial orchards, where thousands of gallons of spray were used. "Scalecide" is a petroleum oil that mixes readily with cold water in any proportion, and stays mixed. It is not necessary to use an extra tank or barrel, and no hot water should be used. Prepared by adding one gallon of "Scalecide" for every fifteen or twenty gallons of water, right into your spray tank. No crude oil is used in the manufacture of "Scalecide," all the light and heavy oils that might prove injurious being removed—but all of the soluble sulphur is retained; this has the insecticidal value. That "Scalecide" is a satisfactory and dependable remedy for San Jose Scale is attested by the records of some of the largest commercial orchards in the United States.

Free sample and full information on request.

PRICE per qt., 40c; gal., \$1.25; 5 gals., \$4.50; 10 gals., \$8.75; 50-gal. bbl., \$37.50.

DIAMOND SPRA-OIL

SPRA-OIL is a miscible oil spray manufactured at Hood River, Ore., and has been used by the big commercial orchards in that section with the greatest success, especially in spraying for leaf roller.

As a WINTER SPRAY:

For San Jose Scale, Pear Scylla, Leaf Roller, Woolly Aphis, use one gallon of Spraoil to 15 or 16 gallons of water.

As a SUMMER SPRAY:

Very efficient for young San Jose Scale and certain Aphis, when diluted with 50 to 100 gallons of water to one gallon of Spraoil—depending on the foliage, which, if very tender, should be sprayed with a weaker solution than 1 to 50.

Directions for Diluting:

Shake and stir well while in the original package; after this, mix with one part of water to one part of Spraoil, which will readily emulsify to a creamy consistency. When this is thoroughly mixed, put it in the spray tank and it will stay in suspension.

Price, qt., 35c; gal., 90c; 5 gals., \$3.00; 10 gals., \$5.50; bbl., \$17.00

 **SPRAYING to be effective MUST BE WELL DONE—**
Gould Spray Pumps WILL GIVE and MAINTAIN the NECESSARY PRESSURE to SPRAY RIGHT. They are built for lasting service.

Our General Catalog and the Special Catalog of Gould Spray Pumps Mailed on Request

FRUIT TREES DEMAND BEES FOR PROPER POLLINATION

Our Bee Supply Catalog tells why; also how to keep and handle bees. Every fruit grower should have a copy. Free.

INDEX

| | | | | | |
|----------------------------|--------|---------------------------|---------|-------------------------------|--------------------|
| Abelia..... | 28 | Flower Pots..... | 22 | Peaches..... | 33 |
| Almond..... | 24-28 | Forsythia..... | 24 | Peach, Flowering..... | 26 |
| Anemones..... | 9 | Freesias..... | 2 | Pears..... | 32 |
| Althea..... | 24 | Fringe Trees..... | 26 | Perennials..... | 12-13-14 |
| Apples..... | 30-31 | Fruit Trees..... | 30-34 | Persimmon..... | 26-27 |
| Apricots..... | 32 | Gooseberries..... | 34 | Phlox, Perennial..... | 12 |
| Arborvitae..... | 29 | Grapes..... | 34 | Pine..... | 29 |
| Araucaria..... | 29 | Grape Hyacinths..... | 9 | Plums..... | 33 |
| Ash..... | 25-27 | Hanging Baskets..... | 22 | Plum, Flowering..... | 27 |
| Asparagus Roots..... | 37 | Hawthorne..... | 26 | Poplar..... | 26 |
| Aucuba..... | 27 | Hemlock..... | 19 | Poppy..... | 15 |
| Azalea..... | 24 | Herbs, Medicinal..... | 24 | Privet..... | 28 |
| Bamboo..... | 27 | Holly..... | 29 | Prunes..... | 33 |
| Bedding Plants..... | 17 | Honeysuckle..... | 23-24 | Prunus..... | 26-27 |
| Beech..... | 25 | Hop Vines..... | 37 | Quince..... | 34 |
| Berberry..... | 24-27 | Horse Radish..... | 37 | Quince, Flowering..... | 27 |
| Berries..... | 34-35 | Hyacinths..... | 2-4-5 | Ranunculus..... | 9 |
| Berry Boxes..... | 38 | Hydrangea..... | 25-27 | Raspberries..... | 35 |
| Birch..... | 25 | Iris..... | 16-17 | Rhododendrons..... | 28 |
| Blackberries..... | 35 | Ixias..... | 9 | Rhubarb Roots..... | 38 |
| Bleeding Hearts..... | 17 | Ivy..... | 23 | Roses..... | 18-22 |
| Broom..... | 28 | Japanese Ornamentals..... | 27 | Sciadopitys Verticillati..... | 27 |
| Box..... | 29 | Jasminum..... | 23 | Scilla..... | 9 |
| Bulbs..... | 2-11 | Jonquils..... | 11 | Shrubs, Deciduous..... | 24-25 |
| Butternut..... | 28 | Juniper..... | 29 | Shrubs, Evergreen..... | 28 |
| Calla Lilies..... | 3 | Kerria..... | 25 | Smoke Tree..... | 25 |
| Calycanthus..... | 24 | Kudzu Vine..... | 23 | Snowball..... | 25 |
| Catalpa..... | 25 | Laburnum..... | 26 | Snowdrops..... | 9 |
| Cedrus..... | 29 | Larch..... | 26 | Sparaxis..... | 9 |
| Cherries..... | 32 | Larkspur..... | 12 | Spiraea..... | 25 |
| Chestnut..... | 28 | Laurel..... | 28 | Spray Material..... | 39 |
| Chestnut Flowering..... | 26 | Lauristinus..... | 28 | Spruce..... | 29 |
| Chinese Sacred Lilies..... | 2 | Lilac..... | 25 | St. Johns Wort..... | 17 |
| Chionodoxa..... | 9 | Lilies..... | 3 | Strawberries..... | 36-37 |
| Clematis..... | 23 | Lily of the Valley..... | 3 | Sycamore..... | 26 |
| Cotoneaster..... | 28 | Linden..... | 26 | Syringa..... | 27 |
| Crab, Flowering..... | 26 | Locust..... | 26 | Tamarix..... | 25 |
| Crocus..... | 9 | Loganberries..... | 35 | Thuja..... | 25 |
| Cryptomeria..... | 27 | Magnolia..... | 27-29 | Trees, Deciduous..... | 25-26 |
| Currants..... | 34 | Mahonia Aquifolia..... | 28 | Tree Peony..... | 15 |
| Currant, Flowering..... | 24 | Maple..... | 26-27 | Tritoma (Red Hot Poker)..... | 17 |
| Cyprus..... | 29 | Mock Orange..... | 25 | Trumpet Vine..... | 23 |
| Daffodils..... | 2-9-10 | Mountain Ash..... | 26 | Tulips..... | 6-7-8 |
| Daphne..... | 27 | Mulberry..... | 26-27 | Tulip Beds..... | Inside Front Cover |
| Delphinium..... | 12 | Nandina..... | 24 | Tulip Tree..... | 26 |
| Dutchman's Pipe..... | 23 | Narcissi..... | 2-10-11 | Varnish Tree..... | 26 |
| Deutzia..... | 24 | Nectarines..... | 34 | Vines, Ornamental..... | 23 |
| Dewberries..... | 35 | Nut Trees..... | 28 | Violets..... | 14 |
| Dogwood..... | 26 | Oak..... | 26 | Water Lilies..... | 17 |
| Dwarf Fruit Trees..... | 31 | Oregon Grape..... | 28 | Wax Tree..... | 26 |
| Elm..... | 26-27 | Paeonies..... | 15 | Walnuts..... | 28 |
| Elder..... | 24 | Pampass Grass..... | 17 | Weeping Trees..... | 27 |
| Erythronium..... | 11 | Pansies..... | 17 | Weigella..... | 25 |
| Euonymus..... | 24-28 | Parrots Feather..... | 17 | Wistaria..... | 23 |
| Evergreen Shrubs..... | 28 | Passion Vine..... | 23 | Yew..... | 29 |
| Evergreen Trees..... | 29 | | | Yucca..... | 17 |
| Filbert..... | 24-28 | | | | |
| Fir..... | 29 | | | | |

Miscellaneous Florists' and Nurserymen's Supplies

PLANT STAKES—Round cedar, painted green, white tops.
3 ft., 80c doz.; 3½ ft., 85c; 4 ft., \$1.00;
5 ft., \$1.50; 6 ft., \$2.25.

PENCILS—Indelible, nickle tip, for marking labels. Each 15c

OREGON MOSS—We have this gathered, dried and put up in bales of about 100 lbs. each for florists' and nurserymen's use. Write for price by ton or carload. Per lb. 5c; 100 lbs. \$3.25

WIRE DESIGNS—Every description. List on request.

WIRE HANGING BASKETS—8 in. 20c; 10 in. 25c; 12 in. 30c; 14 in. 50c.

VITAPLASTIC—Glazing Compound—The best, most dependable glazing material. Never hardens or cracks. Write for circular.
Price, gal. \$2.00; 5 gal. \$9.50; 30 gal. \$52.50

TIN FOIL—Florist—Regular stock. Per lb. 25c

Wooden Labels

TREE LABELS—Painted iron wire.

Per 100 20c; per 1,000 \$1.50

Unpainted iron wire. Pr 100 15c; pr 1,000 \$1.30

Painted copper wire. Per 100 20c; per 1,000 \$1.75

Unpainted copper wire. Weight pkd., 4 lbs. per 1,000. Per 100 20c; per 1,000 \$1.50

POT LABELS

4-inch. Plain, per 100 15c; 1,000 95c

Painted, 1,000 \$1.20. Wt. pkd., 4 lbs. per 1,000.

5-inch. Plain, per 100 20c; 1,000, \$1.20

Painted, 1,000, \$1.45. Wt. pkd., 6 lbs. per 1,000

6-inch. Plain, per 100, 20c; 1,000, \$1.65

Painted, 1,000, \$2.00. Wt. pkd., 9 lbs. per 1,000

8-inch. Plain, per 100, 30c; 1,000, \$2.15

Painted, 1,000, \$2.60. Wt. pkd., 11 lbs. per 1,000

GLAZING POINTS—Peerless—Best point made. No raising up when driven—no rights, no lefts, no sliding, no trouble to apply; cheap indestructible. Once used always used. 1,000 in box. Wt., 2 lbs. Price, 85c

 Add Postage at zone rate if ordering by mail

"DIAMOND
QUALITY"



Fertilizers

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

The Base of "Diamond" Fertilizers is Bone Meal and Bone Tankage, to which is added the necessary Chemical Elements. No sand, earth, or other cheap filler is used. They are of guaranteed analysis, conforming to the standards required by the State Laws.

Prices and General Analysis

| Fertilizer | Nitrogen. | Phosphoric Acid. | Potash. | 100 lbs. | Per Ton. |
|---------------------------------------|------------|------------------|---------|----------|----------|
| General or Vegetable..... | 1.75 to 2% | 10% | | | |
| Fruit and Onion..... | 2 to 2.25% | 8 to 10% | .6% | | |
| Lawn..... | 3 to 3½% | 8 to 9% | 1.00% | | |
| Pure Bone Meal..... | 3.50 to 4% | 18 to 20% | .6% | | |
| Animal Fertilizer (Bone Tankage)..... | 5 to 5½% | 11 to 12% | | | |
| Super Phosphate..... | | 17 to 18% | | | |
| Nitrate of Soda..... | 15 to 15½% | | | | |
| Blood Meal..... | 10 to 12% | 3 to 4% | | | |
| Fish Guano..... | 7.65% | 7.55% | | | |
| Sheep Guano..... | 1.25% | 1.35% | | | |

Write for prices on Fertilizers

| | POUNDS PER ACRE | FERTILIZER TO USE | WHEN TO APPLY |
|-------------------------------------|--|------------------------------|--|
| Apples..... | 400 to 600..... | Fruit..... | Fall or early spring. |
| Asparagus..... | 300 to 600..... | Vegetable..... | |
| | 100 to 200..... | Nitrate of Soda..... | Spring. |
| Berry Bushes..... | 400 to 800..... | Fruit..... | Fall or Winter preferred, or early spring. |
| Fruit trees and bushes..... | 400 to 800..... | Fruit..... | Fall or Winter preferred, or early spring. |
| Flower beds..... | See Plants, etc..... | | |
| Grapes..... | 400 to 800..... | Fruit..... | Fall or early spring. |
| Grass for lawns..... | 400 to 800..... | Lawn..... | Apply fall or spring, broadcast. |
| House plants..... | | "Diamond" Plant Food..... | Directions on each package. |
| Nursery stock..... | 325 to 650..... | Vegetable..... | Early spring. |
| Plants, flowering out- door..... | A teaspoonful to a plant or broadcast | Lawn..... | Worked in the top soil when cultivating or making beds. |
| Roses, etc..... | ¼ to 1 lb. per plant.. | Lawn..... | Fall, winter or spring. |
| Shrubs, trees, etc..... | ½ to 3 lbs. per plant.. | Lawn..... | Fall, winter or spring. |

Potash Cannot be supplied this year, as stocks must come from Europe.

PLANTING TABLES

DISTANCES RECOMMENDED FOR PLANTING

| | | | |
|------------------------|------------------------|---------------------------------|----------------------|
| Apples (Standard)..... | .25 to 40 ft. each way | Currants..... | 5 ft. x 3 ft. |
| Pears (Standard)..... | .20 to 35 ft. each way | Gooseberries..... | 5 ft. x 3 ft. |
| Quince..... | 15 ft. each way | Strawberries (hills)..... | 36 in. x 18 in. |
| Peaches..... | .18 to 24 ft. each way | Strawberries (matted rows)..... | 48 in. x 12 in. |
| Plums..... | .15 to 20 ft. each way | Grapes..... | 8 x 8 to 10 x 12 ft. |
| Cherries..... | .25 to 40 ft. each way | Asparagus..... | 4 x 1 ft. |
| Blackberries..... | 6 ft. x 4 ft. | Rhubarb..... | 4 x 2 ft. |
| Raspberries..... | 6 ft. x 3 ft. | | |

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES. In planting trees the greater distance should be given in the richer soils.

| DISTANCE APART. | Square Method | Triangu- lar. | DISTANCE APART. | Square Method | Triangu- lar. |
|---------------------------|---------------|---------------|---------------------------|---------------|---------------|
| 1 foot apart each way... | 43,560 | 50,300 | 15 feet apart each way... | 193 | 223 |
| 2 feet apart each way... | 10,890 | 12,575 | 16 feet apart each way... | 170 | 196 |
| 4 feet apart each way... | 2,722 | 3,143 | 20 feet apart each way... | 108 | 125 |
| 6 feet apart each way... | 1,210 | 1,397 | 25 feet apart each way... | 70 | 81 |
| 9 feet apart each way... | 537 | 620 | 30 feet apart each way... | 48 | 55 |
| 10 feet apart each way... | 435 | 502 | 40 feet apart each way... | 27 | 31 |

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the row; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .366. The result will be number of plants required to the acre by triangular planting.

LEWIS PLANTING BOARD

When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a ¾ inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board leaving the small stakes in the ground, dig the hole, replace the board over the stakes and set the tree in the notch, plant it in this position and your orchard will "line up" perfectly.

"DIAMOND
QUALITY"

NURSERY STOCK

RIVERSIDE
GIANT
RHUBARB

A SURE QUICK GROWING
AND PROFITABLE CROP



TREES
AND
PLANTS

ASPARAGUS

ONCE PLANTED IS EASILY CARED FOR, THE BED
GROWS BETTER AND YIELDS MORE EVERY YEAR
AND IS A REAL MONEY MAKER

ARE DUG AND PACKED
AS ORDERED

